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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURE RESEARCH SERVICE

PLANT QUARANTINE DIVISION

LIST OF INTERCEPTED PLANT PESTS, 1956

(List of Pests Recorded from July 1, 1955, through June 30, 1956 as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

Complied by
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Plant Quarantine Aid

INTRODUCTION

This forty-third report of interceptions summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate transportation and exportation in bond, and (5) in domestic shipments between the American Virgin Islands, Hawaii, and Puerto Rico and the mainland.

This report deals with insects and plant diseases of known or potential plant quarantine significance to the United States. Some common organisms are included if they are (1) new to the country of origin, or (2) new to the host plant, or (3) are of such limited distribution in the United States that they are worthy of mention.

The data for this list which includes some for the previous year, are largely obtained from identifications made by specialists of the Entomology Research Division and Plant Quarantine Division, supplemented by information supplied by State officials. Some, however represent critical studies and determinations made by specialists of the Crops Research Division who also identified many of the host plants cited.

All scientific names are reviewed by specialists in the Department to assure conformance to the International Rules of Nomenclature.

Every effort is made to give the correct origin for all collections listed, questionable cases are omitted or the origin is listed as unknown.

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INTERCEPTIONS FROM AIRBORNE MATERIAL

The rapid growth of air transportation continues to increase the danger of foreign plant pests being introduced by this means. In addition to international air travel, commerce in plants and plant products by air is developing steadily. The short time in which pests may now be brought from all parts of the world makes conditions more favorable for their survival and necessitates constant vigilance to apprehend them at ports of entry.

Pests were intercepted on plant material arriving by baggage, express, freight, mail, and stores. During the year 3,367 interceptions were made of insects on imported plant parts or as stowaways, and 476 interceptions of plant diseases.

Some important insects intercepted in airborne material were:

The citrus blackfly (*Aleurocanthus woglumi*) on leaf of *Citrus* sp. in baggage from Mexico.

Anastrepha distincta (?) in inga pod in express from Guatemala.

Anastrepha fraterculus in sapodilla in baggage from Venezuela.

The Mexican fruit fly (*Anastrepha ludens*) in mango in baggage from Mexico; in orange in baggage and stores from Mexico; and in orange in baggage from Guatemala.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in mango in baggage from Costa Rica, Cuba, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, and Salvador; in mango in cargo from Costa Rica, Guatemala, and Puerto Rico; in mango in mail from Puerto Rico and Salvador; and in mango in quarters from Guatemala.

Anastrepha serpentina in *Annona* sp. in baggage from Peru; in sapodilla in baggage from Guatemala, Nicaragua, and Salvador; and in star-apple in cargo from Guatemala. One adult of *A. serpentina* in cabin of an airplane from Central America or South America.

Anastrepha striata in guava in baggage from British Honduras, Costa Rica, Nicaragua, and Salvador and in guava in quarters from Guatemala.

Carposina sasakii in apple in baggage and stores from Japan.

The Mediterranean fruit fly (*Ceratitis capitata*) in apple in baggage from Italy; in apple in quarters from Portugal; in apple in stores from the Azores, Portugal, and Spain; in apricot in baggage and stores from Italy; in apricot in stores from an unknown origin; in coffee berries in baggage from Brazil; in coffee berries in pre-flight inspection of baggage and cargo leaving Hawaii for the mainland; in fig in baggage from the Island of Rhodes and Italy; in guava in baggage from the Azores and Israel; in loquat in baggage from the Azores; in Mandarin orange in baggage from Cape Verde Islands and Israel; in medlar in baggage from Italy; in nectarine in stores from France; in orange in baggage from Israel, Italy, Lebanon, and Portugal; in orange in stores from the Azores, Israel, Portugal, and Spain; in peach in baggage from Italy, Lebanon, Portugal, and Spain; in peach in cargo from Italy; in peach in stores from Brazil, France, Italy, Portugal, and Spain; in pear in baggage from France, Portugal, and Spain; in pear in quarters from Libya and an unknown origin; in pear in stores from Portugal; in pricklypear in baggage from Italy; in quince in baggage from Greece; and in sweet lime in baggage from the Azores. *C. capitata* (?) in green almond in baggage from Greece; in guava in baggage from Portugal; in guava in quarters from South America; in lemon in stores from Spain; in mango and mountain apple in preflight inspection of baggage leaving Hawaii for the mainland; in nectarine in stores from Brazil; in orange in baggage from Israel and Italy; in orange in stores from the Azores, Portugal, and Spain; in peach in baggage from Italy; in peach in stores from Spain; in pear in quarters from Italy; and in persimmon in baggage from Italy.

The banana root borer (*Cosmopolites sordidus*) in root of banana plant in baggage from Panama.

Cylas formicarius ssp. in sweetpotato in cargo from the Philippines and Thailand.

An adult of *Dacus cucurbitae* was found in preflight inspection of a plane leaving Hawaii for the mainland and another adult of the same species was found on the flight deck of an airplane originating in Midway.

Dacus dorsalis in coffee berries, mango, papaya, and ti berries in preflight inspection of baggage leaving Hawaii for the mainland. An adult of *D. dorsalis* was found in an airplane leaving Hawaii for the mainland and another adult was found on an airplane

from the West Pacific. *D. dorsalis* (?) in *Thevetia peruviana* in preflight inspection of baggage leaving Hawaii for the mainland.

Dacus oleae in olive in baggage from Greece, Italy, Lebanon, and Portugal and in olive in stores from Italy.

Possibly *Dacus passiflora* in mango in baggage from the Fiji Islands.

Olethreutes leucotreta in orange in stores from the Union of South Africa.

The pink bollworm (*Pectinophora gossypiella*) in cottonseed in baggage from Puerto Rico; in cotton boll in preflight inspection of baggage leaving Hawaii for the mainland; and in seed cotton in baggage from Italy.

Rhagoletis cerasi in cherry in baggage from France, Germany, and Italy, in cherry in quarters from France; and in cherry in stores from the Azores, France, Israel, Italy, Portugal, and Switzerland.

The khapra beetle (*Trogoderma granarium*) in rice in cargo from India.

Interceptions of airborne plant pathogens of interest were:

Chrysomyxa ledi var. *rhododendri* on alpine azalea in baggage from Switzerland.

Daphne mosaic virus on foliage of daphne in mail from England.

Guignardia traversi on *Stanhopea* sp. in cargo from the Canal Zone.

Ophiodothella orchidearum on *Epidendrum* sp. in cargo from Cuba.

Phleospora pistaciae on pistache nut in baggage from Lebanon.

Phoma citricarpa on *Citrus* sp. in baggage from the Philippines; on lemon in stores from Portugal; and on Mandarin orange in baggage from Indo-China.

Phyllostictina pyriformis on an orchid leaf in cargo from Honduras.

Puccinia asparagi on asparagus in baggage from Greece.

Puccinia buxi on a box leaf in baggage from Italy.

Puccinia scirpi on stems of *Scirpus maritimus* in baggage from Portugal.

Puccinia urbaniana on leaf of *Stachytarpheta jamaicensis* in baggage from Martinique.

Septoria unedonis on leaf of strawberry tree in baggage from Ireland.

Uredo behnickiana on a leaf of *Phajus* sp. in cargo from Jamaica.

Uredo guacae on leaf of *Epidendrum* sp. in cargo from Jamaica; and on an orchid leaf in cargo from Honduras.

Uredo oncidii on leaf of *Oncidium pulchellum* in baggage from Jamaica.

Uromyces transversalis on a gladiolus leaf in cargo from the Union of South Africa.

Citrus canker (*Xanthomonas citri*) on Mandarin orange in baggage from China; on Mandarin orange in baggage and stores from Japan and the Philippines; on an orange in baggage from China and Japan; and on an orange in stores from Japan.

The following nematodes were also found in airborne material:

The oat nematode (*Heterodera avenae*) in soil with dried seed beans in baggage from Brazil; in soil with fuchsia and oleander plants in baggage from Austria; in soil with strawberry plants in cargo from Germany; and in soil with tulip bulbs in baggage from Spain.

Heterodera fici in soil with carnation and fig plants in baggage from Italy; and in soil with fig roots in mail from Italy.

Heterodera humuli in soil with hop cuttings in cargo from Switzerland.

Heterodera punctata in soil with narcissus bulbs and plants in baggage from Germany; in soil with geranium plants and gladiolus corms in baggage from Ireland.

The golden nematode (*Heterodera rostochiensis*) in soil with pine seedlings in baggage from Germany; in soil with begonia, carnation, clover, and geranium plants in baggage from Germany; and in soil with potatoes in mail from England.

Pratylenchus penetrans with roots of clematis in cargo from the Netherlands.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

The following fruit flies were intercepted:

Anastrepha distincta (?) in inga pod in air express from Guatemala.

Anastrepha fraterculus in grapefruit and orange in stores from Brazil and in sapodilla in air baggage from Venezuela. *A. fraterculus* (?) in grapefruit in stores from Brazil; and in orange in stores from Argentina and Brazil.

The Mexican fruit fly (*Anastrepha ludens*) in apple in baggage from Mexico; in grapefruit in baggage from Mexico and in grapefruit in stores from Nicaragua; in Mandarin orange in baggage from Mexico; in mango in baggage, air baggage, and quarters from Mexico; in orange in baggage and air baggage from Guatemala; in orange in baggage, air baggage, quarters, stores and air stores from Mexico; and in pear, pomegranate, ponderosa lemon, quince, sapote, and sweet lime in baggage from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in almonds in quarters from Trinidad; in grapefruit in stores from Barbados; in guava in baggage from Mexico and in air baggage from Nicaragua and Trinidad; in guava-berry in baggage and cargo from Tortola; in mango in air baggage from Costa Rica, Cuba, Guatemala. Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, and Salvador; in mango in baggage from Mexico, Panama, and Puerto Rico; in mango in air cargo from Costa Rica, Guatemala, and Puerto Rico; in mango in cargo from Dominica; in mango in air mail from Puerto Rico and Salvador; in mango in air quarters from Guatemala; in mango in quarters from Cuba and Haiti; in mango in stores from Guatemala, Panama, and Puerto Rico; in pear in baggage from Mexico; in purple mombin in air baggage from Nicaragua; in *Spondias* sp. in air baggage from Nicaragua and Salvador; in *Spondias* sp. in baggage from Panama; in yellow mombin in air baggage from Guatemala, Nicaragua, and Salvador; in yellow mombin in air cargo from Guatemala; and in yellow mombin in cargo from Jost Van Dykes.

Anastrepha serpentina in *Annona* sp. in air baggage from Peru; in mamey sapote in baggage from Mexico; in sapodilla in air baggage from Guatemala, Nicaragua, and Salvador; and in star-apple in air cargo from Guatemala. One adult of *A. serpentina* in passenger's cabin of an airplane from Central America or South America.

Anastrepha striata in guava in air baggage from British Honduras, Costa Rica, Nicaragua, and Salvador; in guava in baggage from Mexico; in guava in air quarters from Guatemala; and in mango in stores from Panama.

The Mediterranean fruit fly (*Ceratitis capitata*) in apple in air baggage and baggage from Italy; in apple in air quarters from Portugal; in apple in air stores from the Azores, Portugal, and Spain; in apple in stores from Spain; in apricot in air baggage from Italy; in apricot in cargo and stores from Spain; in apricot in air stores from Italy and an unknown origin; in carambola in baggage from Hawaii; in coffee berries in air baggage from Brazil; in coffee berries in baggage from Hawaii; in coffee berries in preflight inspection of baggage and cargo leaving Hawaii for the mainland; in coffee berries in mail leaving Hawaii for the mainland; in *Crataegus* sp. in baggage from Italy; in fig in air baggage from the Island of Rhodes and Italy; in grapefruit in quarters from Israel; in grapefruit in stores from Israel and Italy; in guava in air baggage from the Azores and Israel; in loquat in air baggage from the Azores; in Mandarin orange in air baggage from Cape Verde Islands and Israel; in Mandarin orange in baggage from Italy; in medlar in air baggage from Italy; in nectarine in air stores from France; in orange in air baggage from Israel, Italy, Lebanon, and Portugal; in orange in baggage from Algeria, Greece, and Italy; in orange in quarters from the Union of South Africa; in orange in air stores from the Azores, Israel, Portugal, and Spain; in orange in stores from Brazil, Canary Islands, Egypt, Israel, Italy, and Spain; in peach in air baggage from Italy, Lebanon, Portugal, and Spain; in peach in baggage from an unknown origin; in peach in air stores from Brazil, France, Italy, Portugal, Spain, and an unknown origin; in peach in stores from France; in pear in air baggage from France, Portugal and Spain; in pear in baggage from Spain; in pear in air quarters from Libya and unknown origin; in pear in quarters from Portugal; in pear in air stores from Portugal; in pear in stores from Spain; in pomegranate in baggage from Italy; in pricklypear in air baggage from Sicily; in pricklypear in baggage and stores from Italy; in quince in air baggage from Greece; and in sweet lime in air baggage from the Azores. *C. capitata* (?) in almond in air baggage from Greece; in apple in air quarters from the Azores (?); in apple in air stores from Portugal; in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland; in grape in baggage from Italy; in grapefruit in stores from British East Africa; in guava in air baggage from the Azores and Portugal; in guava in air quarters from an unknown origin; in lemon in air stores from Spain; in mango and mountain apple in preflight inspection of baggage leaving Hawaii for the mainland; in nectarine in air stores from Brazil; in orange in air baggage from Israel and Italy; in orange in baggage from Italy and Palestine; in orange in air stores from the Azores, Portugal, and Spain; in orange in stores from Brazil; in peach in air baggage from Italy; in peach in air stores from Spain and an unknown origin; in pear in air quarters from Italy; in persimmon in air baggage from Italy; and in pricklypear in baggage from Italy.

The melon fly (*Dacus cucurbitae*) in cucumber and tomato in stores from Hawaii. One adult of the melon fly was found on an airplane during preflight inspection at Hickam Field, Hawaii and another adult was found at Hickam Field on the flight deck of an airplane originating in Midway.

The oriental fruit fly (*Dacus dorsalis*) in coffee berries, mango, papaya, and ti berries in preflight inspection of baggage leaving Hawaii for the mainland; and in *Ficus* sp., guava, and persimmon in mail leaving Hawaii for the mainland. One adult of *D.*

dorsalis was found on an airplane from the West Pacific (?) and another adult was found during preflight inspection of a plane leaving Hawaii for the mainland. *D. dorsalis* (?) in mango in baggage from Hawaii; in *Thevetia peruviana* in preflight inspection of baggage leaving Hawaii for the mainland; and in tropical almond in mail leaving Hawaii for the mainland.

The olive fruit fly (*Dacus oleae*) in olive in air baggage from Greece, Italy, Lebanon, and Portugal; and in olive in baggage, air stores, and stores from Italy.

Dacus passiflorae (?) in mango in air baggage from the Fiji Islands.

Rhagoletis cerasi in cherry in air baggage from France, Germany, and Italy; in cherry in air quarters from France; and in cherry in air stores from the Azores, France, Israel, Italy, Portugal, Switzerland, and an unknown origin.

Rhagoletis completa in black walnut in baggage from Mexico.

The apple maggot (*Rhagoletis pomonella*) in apple in air baggage and baggage from Mexico.

The papaya fruit fly (*Toxotrypana curvicauda*) in papaya in stores from Costa Rica.

INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of unusual interest were intercepted:

The citrus blackfly (*Aleurocanthus woglumi*) on an orange leaf and on a leaf of *Citrus* sp. in baggage from Mexico and on sour lime leaf in cargo from Mexico.

A tortricid, *Austrotortrix postvittana* in apple in cargo from New Zealand.

Bruchophagus glycyrrhizae (Eurytomidae) on *Glycyrrhiza* sp. in mail from Iran.

Coptotermes niger, a very destructive termite, in wooden packing case in cargo from Nicaragua.

A curculionid, *Cylas formicarius* ssp. in sweetpotato in air cargo from the Philippines and Thailand and in *Ipomoea* sp. in cargo from China.

Dyspessia ulula (Cossidae) in garlic in cargo from Italy.

A coccnellid, *Epilachna paenulata*, on banana in cargo from Ecuador.

A coccinellid, *Epilachna philippinensis*, on clothing of a crew member on an airplane from Guam.

Frankliniella schultzei (Thripidae) on carnation in air quarters from South America and on chinkerichee in air cargo, cargo, and mail from the Union of South Africa.

A chrysomelid, *Liliioceris lilii* with lily bulbs in air baggage from Italy.

Olethreutes leucotreta (Olethreutidae) in grapefruit from the Union of South Africa; in orange in stores from Mozambique and the Union of South Africa; and in navel orange in air quarters from North Africa (?).

The durra stem borer (*Sesamia cretica*) in broomcorn in cargo from Italy.

Stephanoderes hampei (Scolytidae) in coffee berries in baggage and mail from Brazil; and in coffee berries in mail from Ceylon.

Trogoderma granarium (Dermestidae) with used burlap bags in cargo from India; with grain bags containing wheat bran, corn meal, and crushed oats from Australia; in rice in stores from Formosa and India; in split peas in stores from India; and in peanut in stores from Formosa.

SNAILS

The giant African snail (*Achatina fulica*) was intercepted on cut flowers of torch ginger during preflight inspection of baggage leaving Hawaii for the mainland.

Bradybaena similaris, an injurious snail not established in the United States, was intercepted 119 times with cut flowers and plant material in baggage, cargo, and mail leaving Hawaii for the mainland. It was also intercepted with pineapple in baggage from Brazil and cut flowers of *Lilium* sp. in baggage from Bermuda.

Lamellaxis gracilis, injurious in greenhouses and not established in the United States, was found on a philodendron plant during mail inspection of material leaving Hawaii for the mainland.

Other snails of economic importance but of limited distribution in the United States worthy of mention are: *Deroceras reticulatum, Limax flavus, L. marginatus, Milax gagates, Oxychilus allarius, Theba pisana, and Zonitoides arboreus.*

NOTES ON DISEASES INTERCEPTED

The sweet orange scab was intercepted 74 times; 16 of these interceptions came from Argentina on lemon, Mandarin orange, and orange; 57 from Brazil on grapefruit, lemon, Mandarin orange, orange, and sour lime; and one from an unknown origin on orange.

Citrus canker (*Xanthomonas citri*) was intercepted 137 times; 96 of these came from

Japan, 33 from China, 3 from Thailand, 2 from the Philippines, and one each from Ceylon, India, and the Straits Settlements. These interceptions were made from the following hosts: *Citrus grandis*, *C. ichangensis* var., *C.* x *ichandarin*, *C. sinensis junos*, grapefruit, lemon, Mandarin orange, sour lime, sour orange, and sweet orange.

Cancrosis B. (*Xanthomonas* sp.), another bacterial disease of citrus, producing symptoms similar to citrus canker, was intercepted twice on lemon from Brazil and once on grapefruit from Brazil (?).

Other interceptions are:

Cercospora cypripedii on an orchid leaf in mail from Mexico; and on leaf of *Stanhopea* sp. in baggage from Mexico.

Daphne mosaic virus on daphne foliage in air mail from England.

Diaporthe citri on grapefruit in stores from Ecuador.

Eudarluca australis on chrysanthemum in air baggage from Japan.

Monilinia fructigena on plum in air baggage from France.

Phoma citricarpa on grapefruit in stores from British East Africa; on grapefruit in stores from Egypt; on grapefruit in baggage from Pakistan; on lemon in air stores from Portugal; and on Mandarin orange in air baggage from Indo-China.

Puccinia erythraeensis on leaves of *Hyparrhenia lintonii* in mail from Kenya.

Puccinia miscanthi on *Miscanthus* sp. in baggage from Japan.

Puccinia phyllostachydis on bamboo leaf in express from Japan.

NEMATODES

The oat nematode (*Heterodera avenae*) was intercepted 32 times from the following countries: Austria, Brazil, Denmark, England, Germany, Greece, Israel, Italy, Spain, and Tunisia. These interceptions were taken in soil with dried seed beans, soil with bulbs, soil with plant material, soil with snails, soil with vegetables, soil with automobiles, and with soil scooped up by a jet plane which crashed in England.

The golden nematode (*Heterodera rostochiensis*) was intercepted 25 times from the following countries: Argentina, England, Germany, Ireland, Mexico, Peru, and Scotland. These interceptions were taken in soil with bulbs, with plant material, and with vegetables.

Rotylenchus bradys, not known to be established in the United States, was intercepted in yam in baggage from Trinidad.

Some other nematodes of possible concern were several species of the genus *Meloidogyne* intercepted from Brazil, Canada, Greece, Guatemala, Hawaii, Israel, Italy, Japan, Mexico, Netherlands, Syria, and Trinidad with various plant materials and with vegetables.

INCOMPLETELY DETERMINED PESTS

Frequently insects or pathogens affecting plant material are found in such stage or conditions that an accurate determination is impossible or impracticable. Some of these pests may be of economic importance.

INSECTS

Among the incompletely determined insects were the following fruit flies:

Anastrepha sp., possibly *distincta*, at New Orleans, La., in inga pod in air mail from Costa Rica and in inga pod in air express from Guatemala.

Anastrepha sp., probably *fraterculus*, at Baltimore, Md., in grapefruit in stores from Trinidad; at Charleston, S. C., in grapefruit in stores from Ecuador; at Eagle Pass, Tex., in mango in baggage from Mexico; at New York, N. Y., in *Annona* spp. in air stores from Colombia and in cherimoya in air baggage from Colombia; and at San Ysidro, Calif., in mango in baggage from Mexico.

Anastrepha sp., possibly *ludens*, at Brownsville, Tex., in apple and pear in baggage from Mexico; at El Paso, Tex., in orange and pear in baggage from Mexico; at Laredo, Tex., in grapefruit in baggage from Mexico; at Miami, Fla., in soursop in air baggage from Nicaragua; and at San Antonio, Tex., in white sapote in air baggage from Mexico.

Anastrepha sp., possibly *mombinpraeoptans*, at Laredo, Tex., and at San Ysidro, Calif., in mango in baggage from Mexico. *Anastrepha* sp., very much like *mombinprae optans*, at New York, N. Y., in *Spondias* sp. in baggage from Ecuador.

Anastrepha sp., possibly *serpentina*, at San Antonio, Tex., in quince in air baggage from Mexico.

Anastrepha sp., possibly *striata*, at San Juan, P. R., in guava in air baggage from the Dominican Republic.

Anastrepha sp. at Baltimore, Md., in orange in stores from Peru; at Brownsville, Tex., in mango in air baggage from Nicaragua and in mango, orange, pear, pomegranate and sapote in baggage from Mexico; at Corpus Christi, Tex., in mango in stores from Ecuador; at Eagle Pass, Tex., and El Paso, Tex., in mango in baggage from Mexico; at Hidalgo, Tex., in apple, avocado, and mango in baggage from Mexico; at Houston, Tex., in mango in air baggage from Mexico and in orange in stores from Brazil; at Laredo, Tex., in mamey sapote in baggage from Mexico; at Miami, Fla., in mango in air baggage from Honduras, Nicaragua, and Panama; at Mobile, Ala., in grapefruit in stores from Argentina; in mango in air baggage from Panama; and in mango in quarters from Trinidad; at New York, N. Y., in *Annona* spp. in air baggage from Colombia and Venezuela; at Philadelphia, Pa., in orange in stores from Brazil; at Roma, Tex., in apple in baggage from Mexico; at San Antonio, Tex., in white sapote in air cargo from Mexico; and at San Juan, P. R., in sapodilla in air baggage from the Dominican Republic.

Dacus sp. at Honolulu, Hawaii in balsamapple in preflight inspection of baggage leaving Hawaii for the mainland; at Honolulu, Hawaii in *Nephelium lappaceum* in air baggage from Thailand.

Rhagoletis sp. at Galveston, Tex., in crab apple in quarters from Mexico; and at El Paso, Tex., in thornapple in baggage from Mexico.

Thirty-three interceptions, identified to family only, Tephritidae, were intercepted at the following ports: Baltimore, Md., in cucumber in stores from Liberia and in grapefruit in stores from Brazil; at Boston, Mass., in lemon in stores from Australia; in orange in stores from Argentina; a pupa with parsley in air stores from France (?); and in squash in stores from Indonesia; at Brownsville, Tex., in apple and Rosaceae fruit in baggage from Mexico; at Honolulu, Hawaii in apple in air stores from Australia and Japan; in cactus fruit in air baggage from Guam; in *Durio zibethinus* in air baggage from the Philippines (?); in mangosteen in air stores from Malaya; and in santol in air baggage from the Philippines; at Miami, Fla., in *Pyrus* sp. in air baggage from Panama; at New York, N. Y., in *Cynara* sp. (wild artichoke) in cargo from Italy; in globe artichoke in stores from Italy; in orange in air baggage from Turkey; in plum and radish in air baggage from France; at Nogales, Ariz., with cactus plants in cargo from Mexico; at Philadelphia, Pa., in flower head of bachelors-button in air quarters from an unknown origin; in grapefruit in stores from Australia; and in turnip in stores from French West Africa; pupae at San Antonio, Tex., with leaves of *Chamaedorea oblongata* and *Chamaedorea* sp. in air cargo from Mexico; and in orange in air stores from England; at San Diego, Calif., in tomato in stores from Hawaii; at Seattle, Wash., in mango in air baggage from the Philippines; and at Washington, D. C., in miyama cherry in mail from Japan and pupae with *Rosa* sp. in mail from Iran.

Other incompletely determined insects worthy of mention were:

A bruchid, *Acanthoscelides* sp., apparently new to the National Museum collection, at Washington, D. C., with *Calopogonium mucunoides* in mail from Costa Rica.

Aceria sp. (Eriophyidae), possibly a new species, at Washington, D. C., on *Agropyron* sp. in mail from Iran.

Arphanus sp. (Lygaeidae), a new species, at Nogales, Ariz., on an orchid plant in cargo from Mexico.

A coccid, *Aspidiotus* sp., not recognized as a described form, at San Pedro, Calif., on an orchid leaf in air cargo from Ecuador.

Baris sp. (Curculionidae) at Houston, Tex., in turnip in stores from France.

Blastodacna sp. (Blastodacnidae) at New York, N. Y., in apple in air stores from England.

An undescribed bruchid, apparently representing a new genus and a new species, at Washington, D. C., in seeds of *Prosopis* sp. in mail from Argentina.

Bruchidius sp., near *cicatricosis* (Fahr.) (Bruchidae) and new to the National Museum collection, at Washington, D. C., in crotalaria seed pod in mail from Rhodesia.

Bruchidius sp., near *jocosus* (Schonh.) (Bruchidae), new to the National Museum collection, at New York, N. Y., in white lupine seed in mail from Greece.

Bruchidius sp., near *orchesioides* (Heyd.) (Bruchidae), at Washington, D. C., in *Lotus* sp. pod in mail from Rhodesia.

Bruchidius sp. (Bruchidae), new to the National Museum collection, at Washington, D. C., in seed of *Alysicarpus rugosus* in mail from Rhodesia and Tanganyika; in seed pod of *Astragalus* sp., and seed of sainfoin in mail from Iran; and with *Tephrosia* sp. seed pod in mail from Rhodesia.

A curculionid, *Cleonus* sp. at Philadelphia, Pa., in beet in stores from Egypt; and at New York, N.Y., with horseradish in cargo from Germany.

A phycitid, *Cryptoblabes* sp., at Honolulu, Hawaii on Brazilian peppertree berries in mail leaving Hawaii for the mainland.

A curculionid, determined to family only, at New Orleans, La., in pigeonpea pod in air baggage from Panama.

Cyrtozemia sp., evidently *dispar* Pasc. (Curculionidae), at Washington, D. C., with *Solanum xanthocarpum* in mail from India.

"Eulia" sp. (Tortricidae) at New York, N. Y., with grapes and peaches in cargo from Chile.

Gnorimoschema sp., near or equals *atriplicella* (F. R.) (Gelechiidae), at Boston, Mass., in tomato in stores from French West Africa.

A curculionid, *Gonipterus* sp., evidently *scutellatus* Gyll., at New York, N. Y., with grapes in cargo from the Union of South Africa.

Gymnandrosoma sp. (Olethreutidae) at Baltimore, Md., in an orange in quarters from Ecuador; at Galveston, Tex., in grapefruit in stores from Mexico; and at Houston, Tex., in an orange in stores from Mexico.

Hepialus sp. (Hepialidae) at Laredo, Tex., in a psuedobulb of *Cattleya* sp. in cargo from Mexico; and at Hoboken, N. J., in pseudobulb of *Dendrobium* sp., in mail from India.

Heterarthrus sp. (Tenthredinidae) at Washington, D. C., in *Rhododendron albrechtii* leaf in mail from Japan.

Hoplothrips sp. (Phlaeothripidae), probably one of the old European species, at Philadelphia, Pa., in celery in stores from Italy.

Hyperodes sp., probably *hirtella* (Dtz.) (Curculionidae), at Miami, Fla., with an orchid plant in air mail from the Canal Zone.

Hyperodes sp., at Charleston, S. C., in carrot in stores from Argentina; at Honolulu, Hawaii with orchid plants in mail from the Canal Zone; at Miami, Fla., with a leaf of *Trichopilia suavis* in air mail from the Canal Zone; at Philadelphia, Pa., in carrot in stores from Argentina; at San Pedro, Calif., with orchid plants in cargo and mail from the Canal Zone; and at Seattle, Wash., with orchid plants in mail from the Canal Zone.

A scolytid, *Ips* sp., at Mobile, Ala., in pine bark crating in air cargo from North Africa.

An ant, *Iridomyrmex* sp., probably a new species for the National Museum collection, at Nogales, Ariz., on an orchid plant in cargo from Mexico.

Lepidosaphes sp., very close to *noxia* McKenzie (Coccidae), but probably distinct, at Hoboken, N. J., on a leaf of *Vanilla* sp., in air cargo from British East Africa.

Leucaspis sp. (Coccidae) at Chicago, Ill., with arborvitae plants in mail from New Zealand.

A pyraustid, *Leucinodes* sp., not represented in the National Museum collection, at Washington, D. C., with *Solanum* sp., in mail from the Union of South Africa.

Lixus sp. (Curculionidae) at Baltimore, Md., in beet in stores from Italy; and at Philadelphia, Pa., in beet in stores from Egypt.

Longitarsus sp., probably *ochroleucus* Mshl. (Chrysomelidae) at Boston, Mass., with chrysanthemum in air baggage from England.

A lygaeid, new genus and new species, at New York, N. Y., with forest litter, containing mostly sphagnum moss, in air stores from Colombia.

Margarodini (Coccidae), genus uncertain, but a very interesting collection, at Washington, D. C., on an undetermined grass in mail from Iran.

A curculionid, *Mecinus* sp., at Hoboken, N. J., on an aleppo pine cone in air mail from Greece.

Oxythrips sp. (Thripidae) at New York, N. Y., on a pine tree in air baggage from Sweden.

Pectinophora sp., *platyedra* complex, (Gelechiidae), at Chicago, Ill., with *Plagianthus betulinus* seeds in mail from New Zealand.

A scolytid, *Pelicerus* sp., at Washington, D. C., with *Garcinia spicata* seeds in mail from Okinawa.

Phenacoccus sp. (Coccidae), an undescribed species, at New York, N. Y., on galanthus bulbs and twinleaf squill bulbs in cargo from Turkey.

Phloeosinus sp. (Scolytidae) at Portland, Oreg., in *Cryptomeria* sp. bark in air cargo from Japan.

Phyllotreta sp., probably *flexuosa* (Ill.) (Chrysomelidae), at Philadelphia, Pa., on cabbage in stores from England.

Pieris sp. (Pieridae) at Charleston, S. C., on cabbage in stores from Belgium and New Zealand; at Philadelphia, Pa., on Chinese cabbage in stores from Japan; and at Port Arthur, Tex., on cauliflower in stores from England.

A chrysomelid, *Plagiodera* sp., probably *jucunda* (Klug), at Miami, Fla., on a bromeliad leaf in air baggage and air cargo from Paraguay.

An ant, *Plagiolepis* sp., very probably *alluaudi* Emery, at Charlotte Amalie, St. Thomas on gladiolus in baggage from St. Kitts.

Podothrips sp., near *longiceps* J.-G. (Phlaeothripidae), at Boston, Mass., on semi-dry grass in baggage from the Union of South Africa.

Prays sp. (Hyponomeutidae) at Boston, Mass., in pomelo in stores from Indonesia.

A curculionid, *Premnotrypes* sp., at Philadelphia, Pa., on *Solanum tuberosum* var. in stores from Ecuador.

Psammodius sp. (Scarabaeidae) at Honolulu, Hawaii with grapes in air stores from Eniwetok; and at New York, N. Y., with soil in mail from Israel.

Rhynchites sp. (Curculionidae) at Boston, Mass., in cherry in air stores from France.

Tingis sp. (Tingidae) at Washington, D. C. with fescue in mail from Iran.

A tortricid, not represented in the National Museum collection, at Honolulu, Hawaii in air baggage from Japan; and a tortricid at Laredo, Tex., on an orchid plant in cargo from Mexico.

A curculionid, *Zeugorygma* sp., probably *orangiae* Mshl. or a new species, at Washington, D. C., with *Setaria perennis* seed head in mail from the Union of South Africa.

DISEASES

Incompletely determined pathogens worthy of mention were:

Ascochyta sp. at Laredo, Tex., on *Yucca elephantipes* in cargo from Mexico.

Cercospora sp. at Brownsville, Tex., on *Chamaedorea* sp. leaf in baggage from Mexico; at Houston, Tex., on palm fronds in air cargo from Mexico; at San Juan, P. R., on *Clerodendron thomsonae* leaf for export to the mainland.

Corynespora sp., probably *cassiicola* (Berk. & Curt.) Wei, on *Chamaedorea* sp. in air cargo from Mexico.

Cytospora sp. at *Nogales* Ariz., on orchid stem in cargo from Mexico; and at San Francisco, Calif., on tree peony in cargo and mail from Japan.

Cytosporina sp. at Nogales, Ariz., on orchid in cargo from Mexico.

Didymosphaeria sp. at Laredo, Tex., on an orchid plant in cargo from Mexico.

Pestalotia sp. at Miami, Fla., on *Pinanga kuhli* seed in air mail from Ceylon; at San Juan, P. R., on a kalanchoe leaf in cargo for export to the mainland; and at Washington, D. C., on an oak leaf in mail from Japan.

Phomopsis sp. at El Paso, Tex., on seeds of sandboxtree in baggage from Mexico.

Septoria sp. at Hoboken, N. J., on an aster leaf in cargo from England; at Laredo, Tex., on philodendron leaf in baggage from Mexico; and at Washington, D. C., on leaf of *Boissiera bromoides* in mail from Iran.

Probably *Sphenospora* sp. at Miami, Fla. on a leaf of *Catasetum* sp. in air cargo from the Canal Zone; and at San Pedro, Calif., on *Oncidium macranthum* and *Oncidium* sp. plants in air cargo from Ecuador.

Uredo sp. at Miami, Fla., on leaves of *Ornithocephalus* sp. and *Schomburgkia* sp. in air cargo from Ecuador.

NEMATODES

Incompletely determined nematodes worthy of mention were:

Aphelenchoides sp. at Boston, Mass., in soil with burdock, carrots, and potatoes in stores from Japan; in soil with carrots in stores from Norway; in soil with lettuce in stores from Egypt; in soil with roots of Liliaceae in air baggage from Greece; with parsnips in stores from Denmark; and with rutabagas in stores from the Netherlands; at Hoboken, N. J., in roots of *Helleborus niger* hybrid in air mail from England; at New York, N. Y., in narcissus bulbs in cargo from France and Italy; at Philadelphia, Pa., in lily bulb in cargo from Japan; at Port Everglades, Fla., in potatoes in stores from Belgium; at San Francisco, Calif., in lily bulb in mail from New Zealand and in magnolia plant in mail from Japan; at San Juan, P. R., in tobacco stump in air baggage from the Dominican Republic; and at Washington, D. C., in *Boehmeria* sp., in mail from Martinique.

Aphelenchus sp. at Boston, Mass., in soil with potatoes in stores from New Zealand; at Hoboken, N. J., in *Oreocereus trollii* in mail from Canada; at San Francisco, Calif., in peony in baggage from Japan; at San Juan, P. R., in tobacco stump in air baggage from the Dominican Republic; and at Tampa, Fla., in soil with samples of ore in cargo from Belgium.

Ditylenchus sp., closely related to *dipsaci* (Kuhn) Filip. at Hoboken, N. J., in *Polianthes* sp. tuber in cargo from Italy.

Ditylenchus sp. at Boston, Mass., in iris in cargo from the Netherlands; at El Paso, Tex., in garlic in cargo from Mexico; and at Philadelphia, Pa., in garlic in cargo from Mexico.

Heterodera sp., possibly *avenae*, at New York, N. Y., in soil with potatoes in stores from Iceland; at St. Thomas and St. John in soil with beets in stores from England.

Heterodera sp., possibly *fici* at New York, N. Y., in soil with roots of *Ficus* sp. in baggage from Italy.

Other members of the genus *Heterodera* were intercepted 351 times at 18 ports from the following countries: Argentina, Australia, Austria, Azores, Belgium, Canada, Chile, Denmark, Egypt, England, Finland, France, Germany, Greece, Ireland, Italy, Japan, Korea, Liberia, Luxembourg, Mexico, Morocco, Netherlands, New Zealand, Poland, Portugal, Scotland, Spain, Sweden, Switzerland, Tasmania, Tunisia, Venezuela, and Yugoslavia. These interceptions were made from soil ballast, soil samples, soil on private automobiles, soil on army automobiles, soil with sweepings from railway car, and soil with potatoes in railway car; soil with bulbs and tubers in baggage, cargo, and mail; soil with plant material in baggage, cargo, mail, and quarters; soil with vegetables in cargo and stores; and in soil with snails in cargo.

Meloidogyne sp., probably *arenaria* (Neal) Chitwood var. *thamesi* Chitwood, at New York, N. Y., in gladiolus bulb in cargo from Japan.

Meloidogyne sp., possibly *hapla* Chitwood, at Hoboken, N. J., in *Achimenes* sp. tuber in air mail from India.

Meloidogyne sp., possibly a new species, at Brownsville, Tex., in begonia root in baggage from Mexico.

Meloidogyne sp. at Brownsville, Tex., in begonia root in cargo from Mexico; at El Paso, Tex., in turnip in baggage from Mexico; at Hoboken, N. J., in tubers of *Achimenes* spp. in air cargo from India and in cargo and mail from the Netherlands; in anemone roots in air mail from Japan and in mail from Germany; in caladium tubers in air cargo from Belgium; in calla lily rhizomes in cargo from France and Italy; in roots of *Callopsis* sp. in air mail from England; in roots of *Cimicifuga foetida simplex* in cargo from the Netherlands; in roots of *Cissus amazonica* in air cargo from Germany; in clematis roots in air cargo and cargo from the Netherlands; in roots of *Corytholoma bulbosum* in air cargo from Brazil and in roots of *C. cardinalis* in air mail from the Netherlands; in roots of *Curcuma petiolata* and *C. roscoeana* in cargo from the Netherlands; in roots of *Epimedium* sp. in air mail from Japan; in tubers of *Gesneria umbellata* in mail from the Netherlands; in iris roots in cargo and mail from Japan; in roots of *Isoloma pictum* in air mail and *Isoloma* sp. in mail from the Netherlands; in roots of *Kaempferia galanga* in cargo and air mail from India and in *Kaempferia* spp. in cargo from the Netherlands; in tubers of *Naegelia* hybrids in cargo, air mail, and mail from the Netherlands; in roots of tuberoses in air mail from Israel and in mail from Italy; in roots of *Primula sieboldi* var. in mail from the Netherlands; in roots of *Rechsteineria macropoda* in air mail and mail from the Netherlands; and in tuber of *Thomsonia nepalensis* in mail from India; at Laredo, Tex., in *Mammillaria* sp. roots in mail from Mexico; at New York, N. Y., in hyacinth bulb in cargo from Bermuda; and in tuberose roots in cargo from Italy.

Paraphelenchus sp. at San Francisco, Calif., in roots of *Magnolia conspicua* and *Magnolia* sp. in mail from Japan.

Pratylenchus sp., near *vulnus* Allen & Jensen, at Tampa, Fla., in soil with a potted plant in air baggage from Cuba.

Pratylenchus sp. at Hoboken, N. J., in astilbe roots in cargo from the Netherlands; in *Clematis* spp. roots in mail from England and in cargo from the Netherlands; in roots of *Helleborus niger* and *H. viridis* in air mail from England and in *H. niger* and *Helleborus* sp. in air cargo from the Netherlands; in roots of *Pulmonaria saccharta* in cargo from the Netherlands; at New York, N. Y., in lily-of-the-valley pips in baggage from France; and at Washington, D. C., in roots of *Boehmeria* sp. in mail from Martinique.

Rotylenchus sp. at Brownsville, Texas, in soil with begonia and mint plants in baggage from Mexico; and at San Francisco, Calif., in peony roots in baggage from Japan.

Tylencholaimus sp. at Honolulu, Hawaii in soil samples in air baggage from Japan.

Tylenchus sp. at Boston, Mass., in soil with artemesia plant in baggage from Italy; at Honolulu, Hawaii in soil in quarters from Okinawa; and at Miami, Fla., in soil with coffee plants in air baggage from Salvador.

Xiphinema sp. at San Francisco, Calif., in peony roots in baggage from Japan.

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease
	Number	*Number*		*Number*	*Number*
Africa:			Europe—Continued:		
Algeria	1	2	Portugal	37	15
Anglo-Egyptian Sudan	1	0	Scotland	40	2
Belgian Congo	1	0	Spain	60	5
British East Africa	1	1	Spain (?)	1	0
Canary Islands	1	0	Sweden	9	2
Cape Verde Islands	5	0	Switzerland	13	17
Egypt	7	3	Wales	1	0
Kenya	1	2	Yugoslavia	3	1
Liberia	2	0	North America:		
Libya	2	0	Bermuda	20	6
Madeira Islands	2	0	Canada	2	16
Morocco	8	0	Canal Zone	66	6
Mozambique	1	0	Central America	1	0
Nigeria	3	1	British Honduras	9	0
North Africa(?)	1	0	Costa Rica	22	3
Rhodesia	0	1	Guatemala	31	4
Tunisia	0	1	Honduras	8	5
Union of South Africa	25	27	Nicaragua	21	1
Asia:			Panama	26	0
Burma	1	0	Salvador	22	1
Ceylon	1	1	Iceland	3	1
China	6	108	Mexico	714	163
Formosa	9	2	Mexico (?)	1	0
India	20	6	West Indies:		
Indo-China	3	1	Anguilla	4	0
Indonesia	1	1	Antigua	3	0
Iran	14	3	Bahamas	10	0
Island of Rhodes	1	0	Barbados	5	0
Israel	14	4	British West Indies	3	0
Japan	203	212	Cuba	36	6
Japan(?)	1	0	Curacao	1	0
Lebanon	7	2	Dominica	2	0
Pakistan	0	1	Dominican Republic	13	3
Palestine	1	0	Grand Cayman	1	0
Straits Settlements	2	2	Grenada	1	0
Syria	0	1	Haiti	9	0
Thailand	5	3	Jamaica	23	7
Turkey	1	1	Jost Van Dykes	1	0
Australasia:			Martinique	0	1
Australia	21	17	Montserrat	1	0
Fiji Islands	4	1	Nevis	1	0
Guam	8	3	Puerto Rico	13	3
Hawaii	459	13	St. Croix	1	0
Kwajalein	1	0	St. Kitts	4	1
Kwajalein (?)	1	0	St. Lucia	1	1
Midway Islands	3	0	St. Martin	1	0
Midway Islands (?)	1	0	Tortola	19	0
New Guinea	1	0	Trinidad	12	4
New Zealand	2	3	South America	2	0
Okinawa	2	0	Argentina	3	23
Philippines	16	11	Brazil	29	75
Philippines (?)	1	0	British Guiana	1	1
West Pacific	1	0	Chile	8	1
West Pacific (?)	1	0	Colombia	11	2
Europe:			Ecuador	57	3
Austria	0	5	Netherlands Guiana	1	0
Azores	25	0	Paraguay	0	1
Belgium	13	3	Peru	4	4
Denmark	7	1	Venezuela	13	2
England	49	28	Total:		
England (?)	1	0	Africa	62	38
France	44	3	Asia	290	348
France (?)	1	0	Australasia	522	48
Germany	38	31	Europe	542	203
Germany (?)	1	0	North America	1,111	232
Gibraltar	1	0	South America	129	112
Greece	13	4	Unknown	27	6
Ireland	4	9	Total	2,684	987
Italy	149	52	Total incompletely determined pests	1,600	811
Italy (?)	0	1	Total insect interceptions	4,283	
Netherlands	27	24	Total disease interceptions		1,798
Northern Ireland	1	0	Grand total		[1]6,081
Norway	4	0			

[1] This total represents only pests of known or potential plant-quarantine importance. The total of all interceptions made during the year was 17,504.

NOTE.—Interceptions were also made from Afghanistan, Bahrein Island, East Africa, Eritrea, Ethiopia, Finland, French West Africa, French West Indies, Korea, Luxembourg, Malta, Marshall Islands, Norfolk Island, Poland, Ponape, Samoa, Saudi Arabia, Sierra Leone, Tanganyika, Tasmania, Uganda, Uruguay, and West Africa.

Pests collected and reported from July 1, 1955, through June 30, 1956

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
"*Acanthoscelides*" *spinipes* (Er.) (Bruchidae):					
Acacia sp.	Italy			1	N. Y.
Mimosa sp.	France	1			N. Y.
Achatina fulica Fer. (Mollusca):					
Hedychium sp. (torch ginger)	Hawaii	1			Hawaii.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium porrum (leek)	France, Netherlands, Spain		6		N. Y., Pa.
Adetus mucoreus Bates (Cerambycidae):					
Copaifera hemitomophylla ("cativo")	Colombia	1			Ga.
Adoretus sinicus Burm. (Scarabaeidae):					
Airplane	Hawaii, Japan, unknown		12		Hawaii.
Baggage	Hawaii	2			Hawaii.
Cordyline terminalis (ti)	do	1			Hawaii.
Flowers	do	1			Hawaii.
Orchid	do	1			Hawaii.
Personal effects	Hawaii, Japan	3			Hawaii.
Zingiber officinale (ginger)	Hawaii	1			Hawaii.
Agroiconota propinqua (Boh.) (Chrysomelidae):					
Ananas comosus (pineapple)	Dominican Republic			1	P. R.
Swietenia mahagoni (mahogany)	do			1	Fla.
Agrotis ypsilon (Rott.) (Phalaenidae):					
Airplane	Bermuda		1		Va.
Aleurocanthus woglumi (Ashby) (Aleyrodidae):					
Citrus aurantifolia (sour lime)	Mexico	1			Ariz.
Citrus sinensis (orange)	do	2			Calif., Tex.
Citrus sp.	do	5			Tex.
Aleurothrixus floccosus (Mask.) (Aleyrodidae):					
Leaf—unknown	Cuba	1			Fla.*
Alpheias conspirata Hein. (Galleriidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Alypiodes geronimo (Barnes) (Phalaenidae):					
Cactus	Mexico			1	Ariz.
Amorbia emigratella Busck (Tortricidae):					
Alpinia purpurata	Hawaii	1			Hawaii.
Delonix regia (flamboyant tree)	do			1	Hawaii.
Gardenia augusta (gardenia)	do	1			Hawaii.
Gladiolus sp.	Mexico	1			Calif.*
Jasminum multiflorum	Hawaii	1			Hawaii.
Nerium oleander (oleander)	Midway Island	1			Hawaii.
Pilea sp.	Mexico	1			Tex.
Plumeria sp.	Hawaii	1			Hawaii.
Psidium guajava (guava)	Mexico	1			Calif.
Punica granatum (pomegranate)	do	2			Ariz., Tex.
Vanda sp. (orchid)	Hawaii	2		4	Hawaii.
Anaphothrips orchidaceus Bagn. (Thripidae):					
Orchid	Mexico			1	Tex.
Anastrepha distincta Greene (?) (Tephritidae):					
Inga sp.	Guatemala	2			La.
Anastrepha fraterculus (Wied.) (Tephritidae):					
Achras zapota (sapodilla)	Venezuela	1			N. Y.
Citrus paradisi (grapefruit)	Brazil		1		N. Y.
Citrus sinensis (orange)	do		2		Pa.
Anastrepha fraterculus (Wied.) (?) (Tephritidae):					
Citrus paradisi (grapefruit)	do		1		Tex.
Citrus sinensis (orange)	Argentina, Brazil		2		Tex., Va.
Anastrepha ludens (Loew) (Tephritidae):					
Citrus aurantifolia (sweet lime)	Mexico	7			Ariz., Tex.
Citrus limon var. *ponderosa* (ponderosa lemon)	do	1			Tex.
Citrus paradisi (grapefruit)	Mexico, Nicaragua	8	1		Calif.*, Tex.
Citrus reticulata (Mandarin orange)	Mexico	2			Tex.
Citrus sinensis (orange)	Guatemala, Mexico	83	13		Ariz., Calif., La., Md., N. Y., Tex.
Cydonia oblonga (quince)	Mexico	4			Tex.
Malus sylvestris (apple)	do	3			Tex.
Mangifera indica (mango)	do	40	2		Ariz., Calif., La., Tex.
Punica granatum (pomegranate)	do	3			Tex.
Pyrus communis (pear)	do	18			Tex.
Sapote	do	1			Tex.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Anastrepha ludens (Loew) (?) (Tephritidae):					
Pyrus communis (pear)	do	3			Tex.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Citrus paradisi (grapefruit)	Barbados		1		Fla.*
Eugenia floribunda (guava-berry)	Tortola	2			St. Croix.
Mangifera indica (mango)	Costa Rica, Cuba, Dominica, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador.	84	6		Ala., Calif., Calif.*, Fla.*, Ill., La., Md., Pa., P.R., St. Croix, St. Thomas and St. John, S. C., Tex.
Prunus amygdalus (almond)	Trinidad		1		Ala.
Psidium guajava (guava)	Mexico, Nicaragua, Trinidad.	4			La., P. R., Tex.
Pyrus communis (pear)	Mexico	1			Tex.
Spondias mombin (yellow mombin)	Guatemala, Jost Van Dykes, Nicaragua, Salvador.	7			Calif.*, La., St. Thomas and St. John.
Spondias purpurea (purple mombin)	Nicaragua			1	Calif.*
Spondias sp. (mombin)	Nicaragua, Panama, Salvador.	4			Tex.
Anastrepha serpentina (Wied.) (Tephritidae):					
Achras zapota (sapodilla)	Guatemala, Nicaragua, Salvador.	3			Calif.*
Annona sp	Peru	1			Fla.*
Calocarpum sapota (mamey sapota)	Mexico	1			Tex.
Chrysophyllum cainito (star-apple)	Guatemala	2			La.
Passenger's cabin	Unknown		1		Fla.
Anastrepha serpentina (Wied.) (?) (Tephritidae):					
Calocarpum sapota (mamey) sapota	Mexico	1			Tex.
Anastrepha striata Schiner (Tephritidae):					
Mangifera indica (mango)	Panama		1		S. C.
Psidium guajava (guava)	British Honduras, Costa Rica, Guatemala, Mexico, Nicaragua, Salvador.	9	1		Ariz., La., Tex.
Anastrepha striata Schiner (?) (Tephritidae):					
Psidium guajava (guava)	Mexico	1			Tex.
Anchastus flavovittatus Cham. (Elateridae):					
Orchid	do			1	Tex.
Ancylostomia stercorea (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Anguilla, Antigua, Bahamas, Haiti, Jamaica, Panama, Tortola.	15			Ala., Fla.*, N. Y., St. Croix, St. Thomas and St. John.
Anomala albopilosa Hope (Scarabaeidae):					
Airplane	Japan		1		Hawaii.
Anomala cuprea (Hope) (Scarabaeidae):					
Airplane	do		2		Hawaii.
Anomala orientalis Waterh. (Scarabaeidae):					
Airplane	do		3		Hawaii.
Anomala pleurimargo Reitt. (Scarabaeidae):					
Airplane	do		2		Hawaii.
Anomala schoenfeldti Ohaus (Scarabaeidae):					
Airplane	do		1		Hawaii.
Anomala sulcatula Burm. (Scarabaeidae):					
Airplane	do		1		Hawaii.
Anthonomus rectirostris (L.) (Curculionidae):					
Prunus nipponica (takane cherry)	Japan			1	D. C.
Anthonomus ruficollis Champ. (Curculionidae):					
Orchid	Mexico			1	N. J.
Anuraphis cardui (L.) (Aphidae):					
Cynara scolymus (globe artichoke)	Morocco		1		Pa.
Anuraphis tulipae (Forso.) (Aphidae):					
Gladiolus sp	England		1		Mass.
Iris sp	England, New Zealand			2	N. J., Wash.
Aonidiella inornata McKenzie (Coccidae):					
Cocos nucifera (coconut)	Philippines	2			Calif.*
Piper sp	Guam	1			Calif.*

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Aphanus umbrosus (Dist.) (Lygaeidae):					
With bromeliad and orchid plants	Mexico			1	Ariz.
Aphthona nanyoensis Chujo (Chrysomelidae):					
Airplane	Unknown		1		Hawaii.
Apion griseum Sm. (Curculionidae):					
Phaseolus vulgaris var. (string bean)	Mexico	8			Tex.
Apion pomonae F. (Curculionidae):					
Vicia sativa (vetch)	Azores, Madeira Islands	2			Mass.
Aplocnemus aerosus (Schilsky) (Melyridae):					
Themeda triandra	Union of South Africa			1	D. C.
Araecerus vieillardi Montrz. (Anthribidae):					
Operculina tuberosa (wood-rose)	Hawaii	1			Hawaii.
Arcte caerulea (Guen.) (Phalaenidae):					
Airplane	Japan (?)		1		Hawaii.
Argyresthia conjugella Zell. (Hyponomeutidae):					
Malus sylvestris (apple)	Norway, Sweden	2			Mass., N. Y.
Aspidiotus destructor Sign. (Coccidae):					
Annona squamosa (sugar-apple)	Tortola	2			St. Thomas and St. John,
Cocos nucifera (coconut)	Colombia, Guatemala, Mexico.	8	1		Calif.*, Tex.
Palm	Trinidad		1		P. R.
Aspidiotus herculeanus (Ckll. & Hadd.) (Coccidae):					
Mammea americana (mamey)	Mexico		1		Calif.*
Asterolecanium epidendri (Bouche) (Coccidae):					
Oncidium sp. (orchid)	Trinidad			1	Fla.
Orchid	Brazil, Costa Rica, Ecuador, Jamaica.			4	Calif.*, Fla.
Stanhopea sp. (orchid)	Ecuador			1	Calif.*
Asterolecanium pustulans (Ckll.) (Coccidae):					
Ficus carica (fig)	Mexico	1			Tex.
Athesapeuta cyperi Mshl. (Curculionidae):					
Airplane	Hawaii		1		Hawaii.
With *Cyperus* sp. and *Lycopodium* sp	do	1			Hawaii.
Aufeius impressicollis Stal (Coreidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Aulacaspis mangiferae Newst. (Coccidae):					
Mangifera indica (mango)	Nicaragua, Salvador	2			Calif.*, Tex.
Plant	Venezuela	1			Calif.*
Austrotortrix postvittana (Wlk.) (Tortricidae):					
Malus sylvestris (apple)	New Zealand	1			N. Y.
Barbara tessulatana (Stdgr.) (Oletheutidae):					
Cupressus sp. (cypress)	Greece			1	N. Y.
Bephrata maculicollis Cam. (Eurytomidae):					
Annona muricata (soursop)	Venezuela	1			P. R.
Blissus leucopterus (Say) (Lygaeidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Sorghum vulgare (sorghum)	do	1			Tex.
Bouhelia marocana Balachowsky (Coccidae):					
Muscari comosum (cipollino)	Morocco	1			N. Y.
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	1			Tex.
Brachycerus algirus (F.) (Curculionidae):					
Allium sativum (garlic)	Italy, Spain	5			N. Y., P. R.
Brachyrhinus ovatus (L.) (Curculionidae):					
Plants—miscellaneous	Netherlands			1	Wash.
On box containing *Rhododendron indicum*	Belgium			1	N. J.
Brachyrhinus singularis (L.) (Curculionidae):					
Forest litter packing for cut heather	Scotland	1			Ill.
Bradybaena similaris (Fer.) (Mollusca):					
Ananas comosus (pineapple)	Brazil	1			P. R.
Anthurium andraeanum	Hawaii	1			Hawaii.
Anthurium sp	do	6		1	Hawaii.
Anthurium and bird-of-paradise flowers	do	1			Hawaii.
Colocasia sp	do	1			Hawaii.
Cordyline terminalis (ti)	do	3		1	Hawaii.
Cordyline sp	do	1			Hawaii.
Dieffenbachia sp	do	1			Hawaii.
Gardenia augusta (gardenia)	do	1			Hawaii.
Hedychium sp. (torch ginger)	do	1			Hawaii.
Heliconia sp	do	1			Hawaii.

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		Consumption	Non-entry	Propagation	
Bradybaena similaris—Continued					
Lilium sp. (lily)	Bermuda	1			N. Y.
Phaseomeria speciosa	Hawaii	1			Hawaii.
Philodendron sp	do	1			Hawaii.
Plumeria sp	do			1	Hawaii.
Vanda joaquimiae (orchid)	do	3			Hawaii.
Vanda sp	do	94			Hawaii.
Bregmatothrips iridis Wats. (Thripidae):					
Iris kaempferi (Japanese iris)	Netherlands	1			N. J.
Iris sp	England			1	N. J.
Brevipalpus inornatus (Banks) (Tenuipalpidae):					
Camellia japonica (camellia)	Okinawa			1	D. C.
Pittosporum tobira	Japan			1	D. C.
Serissa foetida	do			1	D. C.
Brevipalpus oudemansi (Geijskes) (Tenuipalpidae):					
Malus sylvestris (apple)	Spain			1	D. C.
Bruchidius algiricus (Allard) (Bruchidae):					
Vicia faba (broadbean)	Egypt	1			Mass.
Bruchidius dorsalis Fahr. (Bruchidae):					
Gleditsia sp	Japan			1	Wash.
Bruchidius gilvus (Gyll.) (Bruchidae):					
Onobrychis sp	Turkey			1	D. C.
Bruchidius incarnatus (Boh.) (Bruchidae):					
Vicia faba (broadbean)	Germany		1		Va.
Bruchidius picipes (Germ.) (Bruchidae):					
Astragalus sp	Iran			1	D. C.
Bruchophagus coluteae (Boucek) (Eurytomidae):					
Colutea arborescens	Italy			1	N. J.
Bruchophagus glycyrrhizae Nik. (Eurytomidae):					
Glycyrrhiza sp	Iran			1	D. C.
Bruchophagus mellipes Gahan (Eurytomidae):					
Sesbania sesban	India			1	D. C.
Bruchophagus onobrychidis (Nik.) (Eurytomidae):					
Onobrychis viciaefolia	Iran			1	D. C.
Onobrychis sp	do			2	D. C.
Bruchophagus ononis (Mayr) (Eurytomidae):					
Ononis pubescens	Israel			1	D. C.
Bruchus brachialis Fahr. (Bruchidae):					
Lathyrus sp	Iran			1	D. C.
Vicia villosa (harry vetch)	France			2	Md.
Bruchus emarginatus Allard (Bruchidae):					
Pisum sativum (pea)	Burma	1			N. Y.
Vicia ervilia (bitter vetch)	Iran			1	D. C.
Bruchus ervi Froh. (Bruchidae):					
Lens culinaris (lentil)	Italy	2			N. Y.
Bruchus lentis Froel. (Bruchidae):					
Lens culinaris (lentil)	France, Italy, Lebanon, Libya, Union of South Africa, unknown.	4	2	1	N. Y., Oreg., Tex.
Bruchus luteicornis Ill. (Bruchidae):					
Vicia anqustifolia	Germany			1	N. J.
Vicia sativa (vetch)	Azores, Portugal	2			Mass., N. Y.
Vicia sp	Portugal			1	D. C.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	Italy	3			N. Y.
Bruchus tristiculus Fahr. (Bruchidae):					
Vicia sativa (vetch)	Azores			1	N. Y.
Bruchus tristis Boh. (Bruchidae):					
Bean	Greece			1	Ill.
Lathyrus cicera	Iran			1	D. C.
Lathyrus sativus	Italy	1			N. Y.
Lathyrus sp	do	1			N. Y.
Bruchus ulicis Muls. (Bruchidae):					
Lens culinaris (lentil)	Iran			1	D. C.
Vicia sp	do			1	D. C.
Cacoecia pronubana (Hbn.) (?) (Tortricidae):					
Rosmarinus officinalis (rosemary)	Italy	1			Mass.
Callosobruchus analis (F.) (Bruchidae):					
Lens culinaris (lentil)	Union of South Africa		1		Tex.
Callosobruchus maculatus (F.) (Bruchidae):					
Bean	Bahamas, India, Jamaica, Nigeria.	3		1	Fla., Ill., N. Y.
Cajanus cajan (pigeonpea)	Cape Verde Islands, Jamaica	2			Fla., Mass.

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		Consumption	Non-entry	Propagation	
Callosobruchus maculatus—Continued					
Dolichos lablab	Cape Verde Islands	1			Mass.
Glycine max (soybean)	Japan		1		La.
Phaseolus aureus (mung bean)	Iran			1	D. C.
Phaseolus lunatus macrocarpus (lima bean)	Cape Verde Islands	1			Mass.
Phaseolus vulgaris	Brazil		1		Pa.
Pisum sativum (pea)	China, Italy, Japan	1	2		Ill., Va., Wash.
Vicia faba (broadbean)	Mexico	4			Tex.
Vigna sinensis (cowpea)	Iran, Nigeria			2	D. C., N. J.
Callosobruchus phaseoli (Gyll.) (Bruchidae):					
Dolichos lablab	Australia			1	D. C.
Calyptocephala gerstaeckeri Boh. (Chrysomelidae):					
Chamaedorea oblongata	Mexico	1			Tex.
Carposina sasakii Mats. (Carposinidae):					
Malus sylvestris (apple)	Japan	4	7		Hawaii, Pa., Tex., Wash.
Caryedon fuscus (Goeze) (Bruchidae):					
Arachis hypogaea (peanut)	Cape Verde Islands		1		Mass.
Legume seed	Azores			1	Mass.
Tree seed	India			1	N. J.
Cassida circumdata Herbst. (Chrysomelidae):					
Airplane	Guam, Hawaii, unknown		6		Hawaii.
Caulophilus latinasus (Say) (Curculionidae):					
Phaseolus sp.	Mexico		1		Tex.
Plants and seeds—miscellaneous	do			1	Tex.
Cephalodonta callosa Baly (Chrysomelidae):					
Stanhopea sp. (orchid)	Canal Zone			1	Fla.
Ceratitis capitata (Wied.) (Tephritidae):					
Averrhoa carambola (carambola)	Hawaii	1			Calif.*
Citrus aurantifolia (sweet lime)	Azores	1			Mass.
Citrus paradisi (grapefruit)	Israel, Italy		3		N. Y., Tex.
Citrus reticulata (Mandarin orange)	Cape Verde Islands, Israel, Italy.	4			Mass., N. Y.
Citrus sinensis (orange)	Algeria, Azores, Brazil, Canary Islands, Egypt, Greece, Israel, Italy, Lebanon, Portugal, Spain, Union of South Africa.	10	34		Ala., Fla.*, La., Mass., N. Y. Pa., Tex., Va.
Coffea sp. (coffee)	Brazil, Hawaii	8			Calif.*, Hawaii, Tex.
Crataegus sp	Italy	1			N. Y.
Cydonia oblonga (quince)	Greece	1			N. Y.
Eriobotrya japonica (loquat)	Azores	1			Mass.
Ficus carica (*fig*)	Island of Rhodes, Italy.	4			Mass., N. Y.
Malus sylvestris (apple)	Azores, Italy, Portugal, Spain.	2	6		Mass., N. Y., Pa., Tex.
Mespilus germanica (medlar)	Italy	1			N. Y.
Opuntia humifusa (pricklypear)	do	5	1		Mass., N. Y.
Prunus armeniaca (apricot)	Italy, Spain, unknown	2	5		N. Y., Va.
Prunus persica (peach)	Brazil, France, Italy, Lebanon, Portugal, Spain, unknown.	7	14		Mass., N. Y.
Prunus persica nectarina (nectarine)	France		1		N. Y.
Psidium guajava (guava)	Azores, Israel	2			Mass., N. Y.
Punica granatum (pomegranate)	Italy	1			N. Y.
Pyrus communis (pear)	France, Libya, Portugal, Spain, unknown.	4	7		Ill., Md., Mass., N.Y., Pa., P. R.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Citrus limon (lemon)	Spain		1		Mass.
Citrus paradisi (grapefruit)	British East Africa		1		Mass.
Citrus sinensis (orange)	Azores, Brazil, Israel, Italy, Palestine, Portugal, Spain.	4	10		Mass.
Coffea sp. (coffee)	Hawaii	1			Hawaii.
Diospyros sp. (persimmon)	Italy	1			Mass.
Eugenia malaccensis (mountain apple)	Hawaii	1			Hawaii.
Malus sylvestris (apple)	Azores (?), Portugal		4		Mass., Pa.
Mangifera indica (mango)	Hawaii	1			Hawaii.
Opuntia humifusa (pricklypear)	Italy	1			N. Y.
Prunus amygdalus (almond)	Greece	1			Mass.
Prunus persica (peach)	Italy, Spain, unknown	1	2		Mass., N. Y.
Prunus persica nectarina (nectarine)	Brazil		1		N. Y.

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Ceratis capitata(?)—Continued					
Psidium guajava (guava)	Azores, Portugal, South America.	3	1		Mass., P. R.
Pyrus communis (pear)	Italy		1		Mass.
Vitis sp. (grape)	Azores	1			Mass.
Cerconota anonella (Sepp) (Stenomidae):					
Annona muricata (soursop)	Colombia		1		Ga.
Ceroplastes rubens Mask. (Coccidae):					
Alpinia purpurata	Hawaii	1			Hawaii.
Alyxia olivaeformis (maile)	do	7			Hawaii.
Anthurium sp	do			1	Hawaii.
Fatsia japonica (fatsia)	Japan			1	Calif.*
Chaetocnema ectypa Horn (Chrysomelidae):					
Chamaedorea sp	Mexico	1			Tex.
Chalcodermus dentiferus Faust (Curculionidae):					
Ananas comosus (pineapple)	do	1			Tex.
Characoma albulalis Wlk. (Phalaenidae):					
Airplane	Kwajalein (?)		1		Hawaii.
Charidotis seminulum (Boh.) (Chrysomelidae):					
Chamaedorea oblongata	Mexico	2			Tex.
Chamaedorea sp	do	1			Tex.
Chelymorpha varians Blanch. (Chrysomelidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Chilo loftini Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	Mexico	1			Calif.
Chilo suppressalis (Wlk.) (Crambidae):					
Oryza sativa (rice)	Japan	3	3		Calif.*, Hawaii, Wash.
Chlorophorus annularis (F.) (Cerambycidae):					
Anthurium sp	Hawaii	1			Hawaii.
Chrysobothris adelpha G. & H. (Buprestidae):					
Airplane	Unknown		1		Hawaii.
Chrysomphalus bifasciculatus Ferris (Coccidae):					
Citrus reticulata (Mandarin orange)	Japan		3		Calif.*
Fatsia japonica (fatsia)	do			1	Calif.*
Chrysomphalus odontoglossi (Ckll.) (Coccidae):					
Mammea americana (mamey)	Mexico		1		Calif.*
Chrysomphalus personatus (Comst.) (Coccidae):					
Camellia japonica (camellia)	do	1			Calif.*
Citrus sinensis (orange)	Canal Zone		2		Fla.*
Chrysomphalus umboniferus (Newst.) (Coccidae):					
Aroid leaf	Venezuela			1	P. R.
Laelia sp. (orchid)	Costa Rica			1	Fla.
Orchid	Canal Zone, Honduras			2	Calif.*, Fla.
Clerada apicicornis Sign. (Lygaeidae):					
Chamaedorea sp	Mexico	1			Tex.
Vanda sp. (orchid)	Hawaii	1			Hawaii.
Cnephasia longana (Haw.) (Tortricidae):					
Lactuca sativa (lettuce)	England		1		Mass.
Cnephasia vigaureana (Treit.) (Tortricidae):					
Flowers—assorted	do	1			Mass.
Coccus viridis (Green) (Coccidae):					
Bryophyllum pinnatum	Hawaii			1	Hawaii.
Coffea sp. (coffee)	do	1			Hawaii.
Gardenia augusta (gardenia)	Central America, Cuba, Hawaii.	22		1	Calif.*, Hawaii, N. Y.
Ixora sp	Bahamas	1			Fla.*
Pachira sp	Dominican Republic			1	Hawaii.
Psidium guajava (guava)	Tortola	1			St. Thomas & St. John.
Colaspis suturalis Lef. (Chrysomelidae):					
Airplane	Mexico		1		Tex.
Colasposoma metallicus rugiceps Lef. (Chrysomelidae):					
Airplane	Japan		1		Hawaii.
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	Mexico	15			Tex.
Coptotermes formosanus Shiraki (Rhinotermitidae):					
Airplane	Japan, Philippines (?)		2		Hawaii.
Coptotermes niger Snyder (Rhinotermitidae):					
Wooden packing case	Nicaragua	6			La.
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Panama			1	Tex.

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Cosmopsaltria fuliginosa (Wlk.) (Cicadidae):					
Airplane	Philippines		1		Hawaii.
Crioceris asparagi (L.) (Chrysomelidae):					
Asparagus sp	England	1			N. Y.
Crocidosema plebeiana Zell. (Olethreutidae):					
Hibiscus esculentus (okra)	Cuba	1			N. Y.
Crophius dirupta (Dist.) (Lygaeidae):					
Orchid	Mexico			1	Calif.*
Cryphula apicatus (Dist.) (Lygaeidae):					
Bromeliad and cycad plants	do			1	Ariz.
Orchid	British Honduras, Mexico			4	Ariz., Tex.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Citrus sinensis (orange)	Israel, Spain (?)		2		Mass., Pa.
Diospyros sp. (persimmon)	Italy		1		N. Y.
Punica granatum (pomegranate)	do	1			N. Y.
Cryptophlebia illepida (Btlr.) (Olethreutidae):					
Macadamia sp	Hawaii	4			Hawaii.
Plant root—unidentified	do	1			Hawaii.
Samanea saman (monkey pod)	do	1			Hawaii.
Cryptotermes brevis (Wlk.) (Kalotermitidae):					
Clothing	do	1			Hawaii.
Mail package	do	1			Hawaii.
Ctenochira aspersa Champ. (Chrysomelidae):					
Chamaedorea oblongata	Mexico	1			Tex.
Curculio elephas (Gyll.) (Curculionidae):					
Castanea sp. (chestnut)	Greece, Italy, Spain	11	1		Ill., N. Y., St. Thomas and St. John.
Quercus ilex (holly oak)	Spain			1	N. J.
Quercus suber (cork oak)	Italy, Spain			2	N. J.
Quercus sp	Lebanon	1		1	N. J., N. Y.
Curculio nucum L. (Curculionidae):					
Castanea sp. (chestnut)	Italy	1			Ill.
Cylas formicarius (F.) ssp. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Philippines, Thailand	1		1	D. C., Hawaii.
Ipomoea sp	China	1			Hawaii.
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Cuba, Dominican Republic, Mexico, Puerto Rico, Tortola.	8	4		La., P. R., St. Croix, St. Thomas and St. John, Tex.
Cylas formicarius formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	India, Thailand	2			Hawaii, S. C.
Dactylotrypes wyttenboogaarti Eggers (Scolytidae):					
Cupressus arizonica (Arizona cypress)	France			1	D. C.
Dacus cucurbitae Coq. (Tephritidae):					
Airplane	Hawaii (?), unknown		2		Hawaii.
Cucumis sativus (cucumber)	Hawaii		6		Calif.*
Lycopersicon esculentum (tomato)	do		5		Calif.*
Dacus cucurbitae Coq. (?) (Tephritidae):					
Cucumis sativus (cucumber)	do		3		Calif.*
Dacus dorsalis Hend. (Tephritidae):					
Airplane	Hawaii, West Pacific (?)		2		Hawaii.
Carica papaya (papaya)	Hawaii, Philippines	2			Hawaii.
Coffea sp. (coffee)	Hawaii	13			Hawaii.
Cordyline terminalis (ti)	do	1			Hawaii.
Diospyros sp. (persimmon)	do	1			Hawaii.
Ficus sp. (fig)	do	1			Hawaii.
Mangifera indica (mango)	do	5			Hawaii.
Psidium guajava (guava)	do	1			Hawaii.
Dacus dorsalis Hend. (?) (Tephritidae):					
Mangifera indica (mango)	do	1			Calif.*
Terminalia catappa (tropical almond)	do	1			Hawaii.
Thevetia peruviana	do	1			Hawaii.
Dacus oleae Gmel. (Tephritidae):					
Olea europaea (olive)	Greece, Italy, Lebanon, Portugal.	15	2		Mass., N.Y., Va.
Dacus passiflorae Frogg. (?) (Tephritidae):					
Mangifera indica (mango)	Fiji	2			Hawaii.
Deloyala guttata (Oliv.) (Chrysomelidae):					
Chamaedorea sp	Mexico	2			Tex.
Orchid	do			1	Tex.

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Deloyala lecontei (Cr.) (Chrysomelidae):					
Orchid	do			1	Ariz.
Dendrocoris variegatus Nelson (Pentatomidae):					
Orchid	do			1	Ariz.
Deroceras reticulatum (Muller) (Mollusca):					
Brassica oleracea capitata (cabbage)	Denmark, England		2		Pa.
Bromeliaceae	Mexico			1	Calif.*
Cordyline terminalis (ti)	Hawaii	8			Hawaii.
Fern	do			1	Hawaii.
Foliage	do	1			Hawaii.
Gesneria sp	Colombia			1	Fla.
Lactuca sativa (lettuce)	England		1		Mass.
Orchid	Brazil, Mexico	1		2	Fla., La., Tex.
Plumeria sp	Hawaii			1	Hawaii.
Soil with plants	Madeira Islands			1	Mass.
Vanda sp. (orchid)	Hawaii	2		2	Hawaii.
Deroceras reticulatum (Muller) (?) (Mollusca):					
Malus sylvestris (apple)	Peru		1		La.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron sp	England			1	N. J.
Dialeurodes chittendeni Laing (?) (Aleyrodidae):					
Rhododendron "Mrs. P. Den Ouden"	Netherlands			1	N. J.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Citrus aurantium (bitter orange)	Japan		1		Calif.*
Citrus reticulata (Mandarin orange)	do		1		Calif.*
Gardenia augusta (gardenia)	do		1		Hawaii.
Dialeurodes kirkaldyi (Kot.) (?) (Aleyrodidae):					
Jasminum sp	Hawaii			1	Hawaii.
Diaprepes abbreviata (L.) (Curculionidae):					
Delphinium sp	Haiti	1			Fla.*
Diaprepes famelicus Ol. var. (Curculionidae):					
Baggage	Bermuda	1			N. Y.
Dichocrocis punctiferalis (Guen.) (Pyraustidae):					
Pinus strobus (white pine)	Japan		1		N. Y.
Pinus sp. (5-leaved pine)	do			1	Wash.
Diocalandra taitensis (Guer.) (Curulionidae):					
Baggage	Hawaii	1			Hawaii.
Cocos nucifera (coconut)	Guam, Hawaii	2			Hawaii, Wash.
Diorymerellus laevimargo Champ. (Curculionidae):					
Brassavola digbyana (orchid)	Honduras			1	Hawaii.
Brassia sp. (orchid)	British Honduras			1	Tex.
Orchid	British Honduras, Honduras, Mexico.			13	Fla., Tex.
Dryocoetes autographus (Ratz.) (Scolytidae):					
Pinus sp. (pine)	Sweden	1			Ala.
Dysdercus rusticus Stal (Pyrrhocoridae):					
Copaifera hemilomophylla	Colombia	1			Ga.
Dyspessa ulula (Bkh.) (Cossidae):					
Allium sativum (garlic)	Italy	3			La., N. Y., P. R.
Epicaerus fallax Boh. (Curculionidae):					
Chamaedorea sp	Mexico	1			Tex.
Epichorista ionephala Meyr. (Tortricidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	2			N. Y.
Epilachna paenulata (Germ.) (Coccinellidae):					
Musa paradisiaca sapientum (banana)	Ecuador	1			Tex.
Epilachna philippinensis Dieke (Coccinellidae):					
Clothing	Guam	1			Hawaii.
Epinotia aporema (Wlsm.) (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	Mexico	3			Tex.
Ereunetis flavistriata Wlsm. (Tineidae):					
Ananas comosus (pineapple)	Hawaii	1			Hawaii.
Cocos nucifera (coconut)	do	4			Hawaii.
Leucaena glauca	do	1			Hawaii.
Eriophyes canestrinii (Nal.) (Eriophyidae):					
Buxus sempervirens (box)	Netherlands			2	N. J.
Ernobius mollis (L.) (Anobiidae):					
Pinus sp. (pine)	England, Sweden	3			N. Y.
Eucalymnatus tesselatus (Sign.) (Coccidae):					
Gardenia augusta (gardenia)	Mexico	1			Tex.
Palm	Cuba	1			Fla.*
Philodendron sp	Bahamas			1	Va.

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Euetheola bidentata (Burm.) (Scarabaeidae):					
Ananas comosus (pineapple)	do	1			Tex.
Euetheola rugiceps (Lec.) (Scarabaeidae):					
Soil with potted plant	Japan		1		Tex.
Eulia auraria Clarke (Tortricidae):					
Prunus domestica (plum)	Chile	1			N. Y.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya mossiae (orchid)	Venezuela			1	N. J.
Cattleya sp.	do			2	N. J.
Cladobium ceracifolium	Brazil			1	N. J.
Epidendrum radicans (orchid)	Costa Rica			1	Fla.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	British Guiana, Grenada, Hawaii, Montserrat.	1	3		Calif.*, N. Y. St. Croix
Euschistus comptus Wlk. (Pentatomidae):					
Agave sp.	Mexico			1	Tex.
Everes comyntas (Godt.) (Lycaenidae):					
Phaseolus vulgaris var. (string bean)	do	7			Tex.
Evergestis forficalis (L.) (Pyraustidae):					
Brassica oleracea botrytis (cauliflower)	Belgium, England		2		Tex., Va.
Brassica oleracea capitata (cabbage)	England, Netherlands	1	1		Pa., Tex.
Exptochiomera confusa Barber (Lygaeidae):					
Cucumis melo cantalupensis (cantaloupe)	Mexico	2			Tex.
Leaf—unknown	do	1			Tex.
Orchid	do			6	D. C., Tex.
Pelargonium sp. (geranium)	do			1	Tex.
Exptochiomera formosa (Dist.) (Lygaeidae):					
Orchid	do			1	Tex.
Exptochiomera oblonga Stal (Lygaeidae):					
Ananas comosus (pineapple)	Dominican Republic			1	P. R.
Farinococcus guatemalensis Ferris (Coccidae):					
Orchid	Mexico			1	N. J.
Ferrisia virgata (Ckll.) (Coccidae):					
Orchid	do	1			Calif.*
Frankliniella bispinosa (Morg.) (Thripidae):					
Dahlia sp.	Bermuda	1			N. Y.
Gypsophila sp.	do	1			Mass.
Lathyrus odoratus (sweetpea)	do	1			Mass.
Lathyrus sativus	do	1			Mass.
Lathyrus sp.	do	1			Mass.
Frankliniella cestrum Mlt. (Thripidae):					
Adesmia sp.	Chile			1	D. C.
Frankliniella formosae Mlt. (Thripidae):					
Buddleia sp.	Japan	1			Hawaii.
Chrysanthemum sp.	do	9	2		Hawaii.
Dahlia sp.	do	1			Hawaii.
Dianthus sp. (carnation)	do	10	3		Hawaii.
Gladiolus sp.	do	3			Hawaii.
Lilium japonicum album (white Japanese lily)	do	1			Hawaii.
Lilium sp.	do	2			Hawaii.
Rosa sp.	do	1			Hawaii.
Frankliniella intonsa (Tryb.) (Thripidae):					
Aster sp.	Germany (?)		1		N. Y.
Calluna vulgaris (heather)	Germany, Scotland	1		1	Mass., N. Y.
Cyclamen sp.	Italy		1		N. Y.
Dahlia sp.	Netherlands	1			N. Y.
Gentiana sp.	Switzerland	1			N. Y.
Lathyrus odoratus (sweetpea)	Sweden, Yugoslavia	2			Ill.
Potentilla sp.	Germany			1	N. J.
Rosa sp.	do	1			Ill.
Frankliniella occidentalis (Perg.) (Thripidae):					
Pelargonium spp.	Mexico			1	Tex.
Frankliniella schultzei (Tryb.) (Thripidae):					
Dianthus sp. (carnation)	South America		1		P. R.
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	4			N. J., N. Y.
Frankliniella sulphurea Schmutz (Thripidae):					
Mesembryanthemum roseum	Hawaii	1			Hawaii.
Philadelphus sp. (mock orange)	do	1			Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Frankliniella tenuicornis (Uzel) (Thripidae):					
Allium sativum (garlic)	Italy, Spain	5			P. R.
Brassica oleracea capitata (cabbage)	Belgium		1		Pa.
Soil with garlic	Italy	1			Mass.
Frankliniella tritici (Fitch) (Thripidae):					
Chrysanthemum sp	Barbados	1			N. Y.
Frankniella williamsi Hood (Thripidae):					
Zea mays (corn)	Ecuador, Tortola	1	2		Pa., St. Thomas and St. John.
Fundella pellucens (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Bahamas	1			Fla.*
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			1	Fla.
Brassavola sp	Panama			1	Fla.
Cattleya dowiana (orchid)	Canal Zone			1	Calif.*
Cattleya sp	do			2	Calif.*, Fla.
Epidendrum atropurpureum (orchid)	do			2	Calif.*
Epidendrum sp	Canal Zone, Panama, Puerto Rico.			3	Fla.
Oncidium sp. (orchid)	Canal Zone, Costa Rica, Jamaica.			3	Fla.
Orchid	Canal Zone, Colombia, Costa Rica, Cuba, Dominican Republic, Guatemala, Jamaica, Panama(?).	1		25	Calif.*, Fla.
Rodriguezia secunda (orchid)	Canal Zone			1	Hawaii.
Furcaspis oceanica Ldgr. (Coccidae):					
Cocos nucifera (coconut)	Kwajalein	1			Hawaii.
Galerucella xanthomelaena (Schrank) (Chrysomelidae):					
Syringa vulgaris (lilac)	Italy			1	N. J.
Galgupha punctifer McA. & Mall. (Pentatomidae):					
Orchid	Costa Rica			1	Fla.
Galgupha quadrisignata Stal (Pentatomidae):					
Orchid	Brazil			1	Tex.
Galgupha tezana McA. & Mall. (Pentatomidae):					
Orchid	Mexico			1	Tex.
Glycyphagus domesticus (Deg.) (Glycyphagidae):					
Citrus sp	Azores	1			Mass.
Malus sylvestris (apple)	England	1			Pa.
Protea sp	Union of South Africa	1			N. Y.
Scirpus maritimus	Azores	1			Pa.
Soil with bulbs, cuttings, and plants	Azores, Italy, Portugal			3	Mass.
Triticum aestivum (wheat)	Azores, Germany	2			Mass.
Gnaphalocrocis medinalis (Guen.) (Pyraustidae):					
Airplane	Thailand		1		Hawaii.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Gnorimoschema ocellatella (Boyd) (Gelechiidae):					
Beta vulgaris (beet)	Egypt, France, Spain		3		Pa., Tex.
Gortyna flavago (Schiff.) (Phalaenidae):					
Cynara scolymus (globe artichoke)	Spain		1		Pa.
Gracilaria azaleella Brants (Gracilariidae):					
Rhododendron sp	Japan			1	D. C.
Grapholitha molesta (Busck) (Olethreutidae):					
Malus sylvestris (apple)	do	1			Wash.
Prunus domestica (plum)	France		1		N. Y.
Prunus persica (peach)	Switzerland		1		N. Y.
Pyrus communis (pear)	Japan	1			Wash.
Haplothrips aculeatus (F.) (Phlaeothripidae):					
Fatsia japonica	do			1	Calif.*
Rhododendron catawbiense	Netherlands			1	N. J.
Syringa vulgaris (lilac)	do			1	N. J.
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Dianthus sp. (carnation)	France, Greece, Mexico, Portugal.	4			Calif.*, Ill., Mass., N. Y.
Soil with carnation, cabbage, and lettuce plants	Portugal			1	Mass.

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		Consumption	Non-entry	Propagation	
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Chrysanthemum sp.	Barbados	1			N. Y.
Coriaderia argentea (pampas grass)	Bermuda	1			Mass.
Dahlia sp.	Dominican Republic	1			P. R.
Daisy	Japan		1		Hawaii.
Dianthus sp. (carnation)	Australia		2		Hawaii.
Grass and wood	Tortola	1			St. Thomas and St. John.
Lathyrus sativus	Bermuda	1			Mass.
Mesembryanthemum roseum	Hawaii	2			Hawaii.
Nerium oleander (oleander)	Midway	2			Hawaii.
Ornithogalum sp.	Union of South Africa	1			N. Y.
Rosa sp.	St. Kitts	1			P. R.
Sesuvium portulacastrum	Hawaii	1			Hawaii.
Haplothrips gowdeyi (Frankl.) (?) (Phlaeothripidae):					
Flowers—mixed	Bermuda	1			Mass.
Sorghum vulgare (sorghum)	Dominican Republic			1	D. C.
Heilipus lauri Boh. (Curculionidae):					
Persea americana (avocado)	Mexico	1			Tex.
Heilipus ocellatus (Oliv.) (Curculionidae):					
Packing of orchid plants	Brazil			1	Fla.
Heliothis subflexa (Guen.) (Phalaenidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Physalis sp. (husk tomato)	do	2			Tex.
Helix aspersa (Muller) (Mollusca):					
Bromeliaceae	Mexico			1	Calif.*
Orchid	do	1			Calif.*
Heraeus guttatus (Dallas) (Lygaeidae):					
Orchid	British Honduras			1	Tex.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Ananas comosus (pineapple)	Cuba	1			La.
Wood case	India	1			Va.
Heterobostrychus brunneus (Murray) (Bostrichidae):					
Drum—made of wood and animal skin	Union of South Africa	1			Fla.*
Heterotermes aureus (Snyder) (Rhinotermitidae):					
Orchid	Grand Cayman			1	Fla.
Homoeosoma electellum (Hlst.) (Phycitidae):					
Chrysanthemum sp.	Mexico	3			Tex.
Zinnia sp.	Bermuda	1			Mass.
Hyalopeplus pellucidus (Stal) (Miridae):					
Airplane	Hawaii		1		Hawaii.
Anthurium sp.	do	2			Hawaii.
Hylurgops palliatus (Gyll.) (Scolytidae):					
Pinus sp. (pine)	Sweden	1			Ala.
Hymenia perspectalis (Hbn.) (Pyraustidae):					
Stenotaphrum secundatum (St. Augustine grass)	Brazil			1	Fla.
Hypera postica (Gyll.) (Curculionidae):					
Beta vulgaris (beet)	France (?)		1		Pa.
Hyperparachma rhodalis Hamp. (Chrysaugidae):					
Orchid	Mexico			1	Tex.
Hypocala deflorata (F.) (Phalaenidae):					
Airplane	Japan		1		Hawaii.
Hypsopygia costalis (F.) (Pyralididae):					
Leaf	do	1			Wash.
Iridomyrmex humilis Mayr (Formicidae):					
Anthurium sp.	Hawaii	1			Hawaii.
Flowers—assorted	Bermuda	1			Mass.
Gardenia augusta (gardenia)	Hawaii	1			Hawaii.
Pelargonium sp. (geranium)	Bermuda			1	N. Y.
Iridomyrmex iniquus Mayr (Formicidae):					
Orchid	Guatemala, Jamaica			2	Hawaii, Tex.
Packing	Guatemala			1	Hawaii.
Ischnodemus diplopterus (Dist.) (Lygaeidae):					
Prunus armeniaca (apricot)	Union of South Africa	1			N. Y.
Kalotermes immigrans Snyder (Kalotermitidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii.
Kalotermes jouteli Banks (Kalotermitidae):					
Airplane	Cuba		1		Fla.*
Lamellaxis gracilis (Hutton) (Mollusca):					
Philodendron sp.	Hawaii			1	Hawaii.

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		Consumption	Non-entry	Propagation	
Lampides boeticus (L.) (Lycaenidae):					
Canavalia microcarpa	do	1			Hawaii.
Canavalia sp	do	12			Calif.*, Hawaii.
Phaseolus vulgaris var. (string bean)	Japan		1		Wash.
Pisum sativum (pea)	do	1			Wash.
Laspeyresia leguminis Hein. (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	Ecuador		1		Ala.
Laspeyresia nigricana (Stph.) (Olethreutidae):					
Pisum sativum (pea)	England	1	1		Mass, Tex.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	England, France, Italy, Portugal, Spain, Switzerland.	24	1	1	Ill., La., Mass., N.Y., Wash.
Leperisinus frazini (Panz.) (Scolytidae):					
Bark	Belgium	1			S. C.
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Malus sylvestris (apple)	Japan		1		Calif.*
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum sp. (croton)	Canal Zone, Hawaii	10		10	Calif.*, Hawaii.
Lepidosaphes tuberculata Mal. (Coccidae):					
Cymbidium sp. (orchid)	Australia, Japan	1		9	Calif.*, Fla.
Lepidiella brevipennis Muls. (Cerambycidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			N. J.
Leucaspis cockerelli (de Charm.) (Coccidae):					
Citrus aurantifolia (sour lime)	Panama		1		Calif.*
Citrus limon (lemon)	Fiji Islands, Panama		2		Calif.*
Citrus paradisi (grapefruit)	Canal Zone, Panama		2		Calif.*
Citrus sinensis (orange)	Panama		3		Calif.*
Leucaspis pusilla Loew (Coccidae):					
Pinus sp. (2-leaved pine)	Yugoslavia	1			Mass.
Leucinodes orbonalis Guen. (Pyraustidae):					
Solanum melongena (eggplant)	Nigeria		1		Ala.
Ligyrocoris nitidicollis (Stal) (Lygaeidae):					
Solanum tuberosum (potato)	Mexico	1			Tex.
Lilioceris lilii (Scop.) (Chrysomelidae):					
Lilium sp. (lily)	Italy			1	N. Y.
Limax flavus L. (Mollusca):					
Apium graveolens (celery)	do		1		Pa.
Limax marginatus Muller (Molluscs):					
Brassica oleracea capitata (cabbage)	Azores		1		Ga.
Bromeliaceae	Mexico			1	Calif.*
Orchid	Costa Rica, Mexico			3	Fla.
Plants and bulbs—assorted	Portugal			1	Mass.
Soil	Germany	1			N. Y.
Limothrips cerealium Hal. (Thripidae):					
Bromeliad	Portugal			1	Mass.
Calluna vulgaris (heather)	Scotland, Switzerland	2			Mass., N. Y.
Chrysanthemum sp	France	1			Ill.
Gladiolus nanus	Netherlands			1	N. J.
Narcissus sp	Ireland			1	N. J.
Potentilla sp	Germany			1	N. J.
Rhododendron sp	Belgium			1	N. J.
Soil from automobile	England	1			Pa.
Syringa sp	Netherlands	1			N. Y.
Limothrips denticornis Hal. (Thripidae):					
Potentilla sp	Germany			1	N. J.
Soil with horseradish	England	1			Mass.
Triticum aestivum (wheat)	Italy, Sweden	1		1	N. Y.
Liothrips vaneeckei Pr. (Phlaeothripidae):					
Lilium auratum (goldband lily)	Japan			1	Oreg.
Lilium speciosum (speciosum lily)	do			1	Oreg.
Lilium sp	England			1	N. J.
Liothrips vaneeckei Pr. (?) (Phlaeothripidae):					
Lilium sp	Japan	1		1	Va., Wash.
Listroderes costirostris obliquus (Klug) (Curculionidae):					
Brassica chinensis	do		1		S. C.
Orchid	Canal Zone			1	Calif.*
Soil packing	Japan			1	Calif.*
Wrapping	Hawaii	1			Hawaii.

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Livia juncorum Latr. (Psyllidae):					
Calluna vulgaris (heather)	Scotland	1			Mass.
Lozostege similalis (Guen.) (Pyraustidae):					
Cucumis melo cantalupensis (cantaloupe)	Mexico	1			Tex.
Lyctus africanus Lesne (Lyctidae):					
Wood	India, Liberia, Union of South Africa.	7			Fla.*, Ill., Mass., N.Y., Pa.
Lygaeus guatemalanus Dist. (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Lygaeus pusio Stal (Lygaeidae):					
Cactus	Mexico			1	Ariz.
Macroplax fasciata (Hsiao & Sailer) (Lygaeidae):					
Alopecurus sp	Iran			1	D. C.
Macropygium reticulare (F.) (Pentatomidae):					
Orchid	Canal Zone			1	Fla.
Mamestra brassicae (L.) (Phalaenidae):					
Brassica oleracea capitata (cabbage)	Netherlands		1		Ala.
Maruca testulalis (Geyer) (Pyraustidae):					
Canavalia sp	Hawaii	10			Calif.*, Hawaii.
Phaseolus vulgaris var. (string bean)	Japan, Puerto Rico	1	1		P. R., Wash.
Phaseolus sp	Japan		1		Calif.*
Pisum sativum (pea)	Puerto Rico	1			P. R.
Mecolaemus carvalhoi (Costa Lima) (?) (Miridae):					
Orchid	Panama			1	Fla.
Megacerus alternatus Bridw. (Bruchidae):					
Operculina tuberosa (wood-rose)	Hawaii			1	Hawaii.
Megastigmus pinuspinus Parf. (Torymidae):					
Abies procera	Scotland			1	N. J.
Megastigmus rafni Hoffmeyer (Torymidae):					
Abies concolor (white fir)	Belgium			1	N. J.
Metamasius sericeus (Oliv.) (Curculionidae):					
Anthurium sp	Costa Rica			1	Fla.
Brassica rapa (turnip)	Ecuador		1		Tex.
Musa paradisiaca sapientum (banana)	Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Panama.	50			Calif.*, La., N. Y., Pa., S. C., Tex.
Metopoplax ditomoides (Costa) (Lygaeidae):					
Excelsior packing	Spain	1			Mass.
Metriona crucipennis (Boh.) (Chrysomelidae):					
Chamaedorea pumila (palm)	Mexico	1			N. Y.
Palm	do	1			Tex.
Micrapate mexicana Fisher (Bostrichidae):					
Calamus (?) sp	Mexico	1			Fla.
Micrelus ericae Gyll. (Curculionidae):					
Calluna vulgaris (heather)	Scotland	4			Ill., Mass.
Microcephalothrips abdominalis (Crawf.) (Thripidae):					
Arctotis stoechadifolia (African daisy)	Australia, Japan	2			Hawaii.
Chrysanthemum sp	Barbados, Japan	7	1		Hawaii, N. Y.
Dahlia sp	Australia, Japan	3	1		Hawaii.
Daisy	Japan, Trinidad		2		Hawaii, P. R.
Dianthus sp. (carnation)	Australia	2			Hawaii.
Helichrysum grandiflorum	Japan	1			Hawaii.
Rosa sp	St. Kitts	1			P. R.
Tagetes florida (marigold)	Australia		1		Hawaii.
Zinnia sp	Japan	1			Hawaii.
Milax gagates (Drap.) (Mollusca):					
Solanum melongena (eggplant)	Italy		1		Pa.
Mimoseates saltiae (Sharp) (Bruchidae):					
Acacia tortuosa	do			1	N. Y.
Acacia sp	Hawaii			1	Hawaii.
Legume seed	Jamaica	1			Fla.
Molorchus minor (L.) (Cerambycidae):					
Wood-coniferous	Switzerland	1			Pa.
Monalocorisca granulata Dist. (Miridae):					
Airplane	Mexico		1		Tex.
Monanthia monotropidia Stal (Tingidae):					
Orchid	do			2	Tex.
Tillandsia sp	do			2	Tex.

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Monomorium destructor (Jerd.) (Formicidae):					
Cajanus cajan (pigeonpea)	Antigua	1			St. Croix.
Gardenia sp.	Hawaii	1			Hawaii.
Lonicera sp.	Trinidad		1		Ga.
Oryza sativa (rice)	Philippines	1			Hawaii.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	1			Tex.
Mormidea pictiventris Stal (Pentatomidae):					
Airplane	Venezuela		1		Fla.
Orchid	Cuba, Mexico			6	Fla., Tex.
Myelois ceratoniae (Zell.) (Phycitidae):					
Citrus sinensis (orange)	Morocco	1			Pa.
Punica granatum (pomegranate)	Greece, Italy	5			N. Y.
Tamarindus indica (tamarind)	British West Indies	1			P. R.
Nasutitermes nigriceps (Hald.) (Termitidae):					
Wooden packing case	Nicaragua	5			La.
Naupactus xanthographus (Germ.) (Curculionidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Nemapogon granella (L.) (Tineidae):					
Agaricus campestris (mushroom)	Italy	1			N. Y.
Neoleucon rubrotylus Carvalho (Miridae):					
Philodendron sp.	Mexico			1	Tex.
Nephotettix apicalis (Motsch.) (Cicadellidae):					
Airplane	Philippines, West Pacific		4		Hawaii.
Neuroctenus litigiosus Stal (Aradidae):					
Orchid	Mexico			1	Tex.
Neuroterus numismalis (Fourc.) (Cynipidae):					
Quercus sp. (oak)	England	1			Mich.
Neuroterus quercus-baccarum (L.) (Cynipidae):					
Quercus sp. (oak)	Wales	1			Pa.
Nezara viridula (L.) (Pentatomidae):					
Airplane	Argentina		1		Fla.
Cajanus cajan (pigeonpea)	Tortola	3			St. Thomas and St. John.
Succulent plant	Mexico			1	Ariz.
Vitis sp. (grape)	Union of South Africa	1			Md.
Nomophila noctuella (D. & S.) (Pyraustidae):					
Airplane	Japan		3		Hawaii.
Nysius californicus Stal (Lygaeidae):					
Airplane	Mexico		1		Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Lilium longiflorum (Easter lily)	do	1			Tex.
Nysius coenosulus Stal (Lygaeidae):					
Airplane	Hawaii		1		Hawaii.
Vanda sp. (orchid)	do	8			Hawaii.
Nysius raphanus Howard (Lygaeidae):					
Baggage	Mexico	1			Tex.
Cactus	do			1	Tex.
Capsicum frutescens grossum (bell pepper)	do	1			Ariz.
Flowers	do	1			Ariz.
Lycopersicon esculentum (tomato)	do	1			Tex.
Orchid	do			2	Tex.
Nysius terrestris Usinger (Lygaeidae):					
Airplane	Hawaii		2		Hawaii.
Odontotermes wallonensis (Wasm.) (Termitidae):					
Dahlia sp.	India			1	N. J.
Oedionychis atroguttata Jac. (Chrysomelidae):					
Orchid	Mexico			1	Ariz.
Oedionychis pavonina Jac. (Chrysomelidae):					
Orchid	do			1	Tex.
Ogdoecosta biannularis (Boh.) (Chrysomelidae):					
Orchid	do			1	Tex.
Olethreutes leucotreta (Meyr.) (Olethreutidae):					
Citrus paradisi (grapefruit)	Union of South Africa		1		Tex.
Citrus sinensis (orange)	Mozambique, Union of South Africa.		4		Md., Mass., Pa.
Olethreutes leucotreta (Meyr.) (?) (Olethreutidae):					
Citrus sinensis (orange)	Northern Africa (?), Union of South Africa.		2		Pa.
Oligonychus perditus P. & B. (Tetranychidae):					
Juniperus sp. (juniper)	Formosa			1	Wash.

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Opogona purpuriella Sw. (Lyonetiidae):					
Flowers	Hawaii	1			Hawaii.
Orchidophilus peregrinator Buch. (Curculionidae):					
Plumeria sp	Hawaii	1			Hawaii.
Oreillus depressus (Muls. & Rey) (Lygaeidae):					
Cupressus sp. (cypress)	Iran			1	D. C.
Ozycarenus bicolor Fieber (Lygaeidae):					
Cymbidium sp. (orchid)	Australia	1			Hawaii.
Gossypium sp. (cottonseed)	Guam			1	D. C.
Ozychilus allarius (Muller) (Mollusca):					
Erica sp	Scotland	1			Mass.
Soil with ivy and *Tradescantia* sp	Iceland			1	Mass.
Ozydema fusiforme Woll. (Curculionidae):					
Clothing	Hawaii	1			Hawaii.
Flowers	do	2			Hawaii.
Sterculia urens	do	1			Hawaii.
Wrapping paper	do	1			Hawaii.
Ozyrhylus ruginasus (Lec.) (Scarabaeidae):					
Cactus	Mexico			1	Ariz.
Clothing	do	1			Calif.
Railway car	do		1		Tex.
Pachybrachius neinert (Dohrn) (Lygaeidae):					
Lansium domestica	Philippines	1			Hawaii.
Pachyxanda perusalis (Wlk.) (Pyraustidae):					
Solanum melongena (eggplant)	Cuba	1			N. Y.
Pantomorus godmani (Crotch) (Curculionidae):					
Baggage	Hawaii	1			Hawaii.
Flowers	do	1			Hawaii.
Operculina tuberosa (wood-rose)	do	1			Hawaii.
Paper wrapping for straw flowers	Peru	1			Fla.
Plumeria sp	Hawaii	1			Hawaii.
Strelitzia reginae	do	1			Hawaii.
Vitis sp. (grape)	Chile	1			N. Y.
Paragonatas divergens (Dist.) (Lygaeidae):					
Airplane	Mexico		1		Tex.
Capsicum frutescens longum (chili pepper)	do	1			Tex.
Parlatoria camelliae Comst. (Coccidae):					
Camellia reticulata (netvein camellia)	Portugal			1	D. C.
Camellia sp	do			1	Calif.*
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (lime)	Mexico		1		Calif.*
Citrus limon (lemon)	Brazil		1		Calif.*
Citrus paradisi (grapefruit)	do		1		Calif.*
Citrus sinensis (orange)	do		5		Calif.*, Fla.*, St. Thomas and St. John.
Parlatoria crotonis Dougl. (Coccidae):					
Cocos nucifera (coconut)	Mexico		1		Calif.*
Codiaeum sp. (croton)	Hawaii	4	1		Hawaii.
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Vanda sp. (orchid)	do			1	Hawaii.
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (lime)	Indo-China, Thailand	1	1		Calif.*, Hawaii.
Citrus depressa	Okinawa			1	D. C.
Citrus limon (lemon)	France, Italy, Morocco	1	3		Calif.*, Pa., P. R.
Citrus reticulata (Mandarin orange)	Indo-China, Italy, Japan, Thailand.	2	2		Calif.*, Hawaii, Pa.
Citrus sinensis (orange)	Formosa, Indo-China, Israel, Morocco, Philippines, Spain, unknown.	2	7		Calif.*, Fla.*, Hawaii, Mass., St. Thomas and St. John.
Citrus sp	Japan		1		Hawaii.
Poncirus trifoliata (?) (trifoliate-orange)	Spain	1			N. J.
Paromius longulus (Dall.) (Lygaeidae):					
Cactus	Mexico			1	Ariz.¶
Orchid	Cuba, Guatemala, Mexico			4	Ariz., Fla., Tex.
Parthenothrips dracaenae (Heeger) (Thripidae)					
Cordyline sp	Hawaii			1	Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
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Pealius hibisci (Kot.) (Aleyrodidae):					
Gardenia augusta (gardenia)	Hawaii	1			Hawaii.
Pectinophora gossypiella Saund. (Gelechiidae):					
Gossypium sp. (cottonseed)	Anglo-Egyptian Sudan, Hawaii, Mexico, St. Croix.	2	1	1	Calif.*, D. C., P. R., Tex.
Gossypium sp. (seed cotton)	Italy, Mexico	155	1		Calif., Mass., Tex.
Gossypium sp. (cotton; boll)	Hawaii	1			Hawaii.
Hibiscus esculentus (okra)	Brazil, Dominican Republic		2		N. Y., S. C.
Hibiscus sp	Hawaii	1			Hawaii.
Pectinophora scutigera (Holdaway) (Gelechiidae):					
Gossypium sp. (cotton; boll)	do	1			Hawaii.
Pentalonia nigronervosa Coq. (Aphidae):					
Alpinia purpurata	do	4			Hawaii.
Hedychium sp. (torch ginger)	do	1			D. C.
Peregrinus maidis (Ashm.) (Delphacidae):					
Zea mays (corn)	Tortola	1			St. Thomas and St. John.
Peridroma margaritosa (Haw.) (Phalaenidae):					
Airplane	Unknown		1		Hawaii.
Periphyllus californiensis (Shinji) (Aphidae):					
Acer sp. (maple)	Belgium			1	N. J.
Perkinsiella saccharicida Kirk. (Delphacidae):					
Airplane	Hawaii, Midway Islands (?)		2		Hawaii.
Perkinsiella vitiensis Kirk. (Delphacidae):					
Airplane	Fiji		1		Hawaii.
Petrochroa dimorpha Busck (Cosmopterygidae):					
Airplane	Unknown		1		Hawaii.
Pheidole megacephala (F.) (Formicidae):					
Annona muricata (soursop)	Cuba	1			N. Y.
Anthurium sp	Hawaii			1	Hawaii.
Caladium sp	Haiti	1			N. Y.
Cordyline terminalis (ti)	Hawaii			1	Hawaii.
Dioscorea sp. (yam)	Anguilla	1			St. Thomas and St. John.
Hibiscus sp	Bermuda	2			Mass.
Orchid	Belgian Congo			1	N. J.
Soil around iris plant	China	1			Hawaii.
Wood around orchid plant	New Guinea			1	Hawaii.
Zinnia sp	Bermuda	1			N. Y.
Phelypera distigma Boh. (Curculionidae):					
Bromeliad and orchid plants	Mexico			1	Ariz.
Orchid	Canal Zone			1	Fla.
Phenacaspis sandwicensis Fullaway (Coccidae):					
Alyxia olivaeformis (maile)	Hawaii	1			Hawaii.
Cordyline terminalis (ti)	do	1			Hawaii.
Mangifera indica (mango)	do			1	Calif.*
Strelitzia reginae (bird-of-paradise-flower)	do	1			Hawaii.
Strelitzia sp	do			1	Calif.*
Philaspis birulnerata (Boh.) (Chrysomelidae):					
Selaginella sp	Mexico			1	Tex.
Phlegyas annulicrus Stal (Lygaeidae):					
Flowers	do	1			Ariz.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa	2			N. Y.
Physonota alternata Boh. (Chrysomelidae):					
Airplane	Mexico		1		Tex.
Physonota citrinella Boh. (Chrysomelidae):					
Orchid	do			1	Tex.
Physonota picticollis Boh. (Chrysomelidae):					
Orchid	do			1	Ariz.
Phytomyza atricornis Mg. (Agromyzidae):					
Chrysanthemum sp	England			1	N. J.
Primula sp	do		1		N. Y.
Phytomyza rufipes Mg. (Agromyzidae):					
Brassica oleracea botrytis (cauliflower)	Denmark, England, Germany, Netherlands, Norway.		19		Ala., Mass., Pa., Tex.

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Phytomyza rufipes—Continued					
Brassica oleracea capitata (cabbage)	Belgium, England, Germany, Ireland, Italy, Norway.	----	10	----	Pa., S. C., Tex.
Brassica rapa (turnip)	Germany	----	1	----	Tex.
Cichorium endivia (endive)	Belgium	4	----	----	La., N. Y., Pa.
Pieris brassicae (L.) (Pieridae):					
Baggage	Germany	1	----	----	Pa.
Pinnaspis buxi (Bouche) (Coccidae):					
Cordyline terminalis (ti)	Hawaii	2	----	----	Hawaii.
Cyrtostachys sp	Panama	----	----	1	Fla.
Monstera sp	Canal Zone	----	----	1	Calif.*
Strelitzia reginae (bird-of-paradise-flower)	Hawaii	1	----	----	Hawaii.
Pinnaspis uniloba (Kuw.) (Coccidae):					
Camellia sp	Japan	----	1	----	Calif.*
Plagiodera congesta Stal (Chrysomelidae):					
Orchid	Mexico	----	----	1	Tex.
Plagiodera semivittata Stal (Chrysomelidae):					
Orchid	do	----	----	3	Tex.
Plagiodera thymaloides Stal (Chrysomelidae):					
Bromeliad	do	----	----	1	Tex.
Orchid	do	----	----	1	Tex.
Plagiometriona diversicolis (Schaef.) (Chrysomelidae):					
Lycopersicon esculentum (tomato)	do	1	----	----	Tex.
Platynota nigrocervina (Wlsm.) (Tortricidae):					
Weed	do	1	----	----	Tex.
Platynota rostrana (Wlk.) (Tortricidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1	----	----	Pa.
Capsicum frutescens grossum (bell pepper)	Mexico	2	----	----	Tex.
Lycopersicon esculentum (tomato)	do	7	----	----	Tex.
Platypus rugulosus Chap. (Platypodidae):					
Copaifera hemitomophylla	Colombia	1	----	----	Ga.
Platythrips tunicatus (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Scotland	1	----	----	Ill.
Plautia fimbriata (F.) (Pentatomidae):					
Chrysanthemum sp	Australia	1	----	----	Hawaii.
Plusia chalcites (Esp.) (?) (Phalaenidae):					
Cordyline terminalis (ti)	Hawaii	1	----	----	Hawaii.
Vanda sp. (orchid)	do	4	----	----	Hawaii.
Polychrosis botrana (Schiff.) (?) (Olethreutidae):					
Vitis sp. (grape)	France	1	----	----	Pa.
Polytus mellerborgii (Boh.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Honduras	----	----	1	N. J.
Porthetria dispar (L.) (Lymantriidae):					
Quercus sp. (oak)	Italy	3	----	----	Va.
Praebiasus albofasciatus Barber (Lygaeidae):					
Orchid	Mexico	----	----	1	Tex.
Prodenia eridania (Cram.) (Phalaenidae):					
Allium cepa (onion)	Bermuda	1	----	----	N. Y.
Lycopersicon esculentum (tomato)	Mexico	1	----	----	Tex.
Prodenia ornithogalli Guen. (Phalaenidae):					
Cactus	do	----	----	1	Ariz.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Bauhinia sp	Bahamas	2	----	----	Fla.*
Flowers—unidentified	do	1	----	----	Fla.*
Gardenia augusta (gardenia)	Colombia, Cuba	2	----	----	Fla.
Ixora sp	Trinidad	----	----	2	Fla.
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Rosa sp. (rose)	St. Martin	----	----	1	St. Thomas and St. John.
Saraca sp	Trinidad	----	----	1	Fla.
Theobroma cacao (cacao)	Netherlands Guiana	----	----	1	N. J.
Pseudischnaspis alienus (Newst.) (Coccidae):					
Cattleya sp. (orchid)	British Honduras, Costa Rica.	----	----	2	Hawaii, Tex.
Laelia sp. (orchid)	Mexico	----	----	1	Tex.
Pseudischnaspis longissima (Ckll.) (Coccidae):					
Citrus aurantifolia (sour lime)	do	----	1	----	Calif.*
Pseudococcus boninsis (Kuw.) (Coccidae):					
Cortaderia sp. (pampas grass)	Bermuda	1	----	----	Mass.
Pseudococcus comstocki (Kuw.) (Coccidae):					
Prunus persica (peach)	Japan	----	1	----	Hawaii.

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Pseudococcus gahani Green (Coccidae):					
Citrus limon (lemon)	Chile	1			N. Y.
Prunus domestica (plum)	do	1			N. Y.
Pseudococcus halli (Ezzai & McConnell) (Coccidae) (tentative):					
Lansium domesticum (lansone)	Philippines	1			Wash.
Pseudococcus matsumotoi Shiraiwa (Coccidae):					
Prunus sp.	Japan			1	N. J.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii	1			Calif.*
Pseudococcus saipanensis Shiraiwa (Coccidae):					
Cocos nucifera (coconut)	Philippines		1		Pa.
Pseudodiaspis yuccae (Ckll.) (Coccidae):					
Pachycereus marginatus (organpipe cactus)	Mexico			1	Ariz.
Psylla rhododendri Puton (Psyllidae):					
Flowers—unidentified	Switzerland			1	Mass.
Rhododendron ferrugineum	do	1		1	Oreg.
Psylliodes chrysocephala L. (Chrysomelidae):					
Brassica rapa (turnip)	Italy		1		Pa.
Pulvinaria aurantii Cklll. (Coccidae):					
Citrus sp.	Japan			1	D. C.
Pulvinaria psidii Mask. (Coccidae):					
Alpinia sp.	Hawaii	1			Hawaii.
Gardenia augusta (gardenia)	do	2			Hawaii.
Izora sp.	Bahamas	1			Fla.*
Puto ulter Ferris (Coccidae):					
Laelia superbiens (orchid)	Guatemala			1	Tex.
Orchid	do			1	Tex.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Capsicum frutescens (pepper)	France		1		Md.
Chrysanthemum sp.	Japan		1		Hawaii.
Sorghum vulgare technicum (broomcorn)	Italy		5		La., Tex.
Pyroderces stigmatophora (Wlshm.) (Cosmopterygidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Rejectaria pharusalis (Wlk.) (Phalaenidae):					
Orchid	do			1	Tex.
Reticulitermes virginicus (Banks) (Rhinotermitidae):					
Clothing	Cuba	1			Fla.*
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	Azores, France, Israel, Italy, Portugal, Switzerland, unknown.	6	30		Mass., Mich., N. Y., Pa.
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Prunus sp. (cherry)	Germany	1			Pa.
Rhagoletis completa Cress. (Tephritidae):					
Juglans nigra (black walnut)	Mexico	1			Tex.
Rhagoletis pomonella (Walsh) (Tephritidae):					
Malus sylvestris (apple)	do	5			Tex.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba	8	2		La., N. Y., Tex.
Schoenobius incertulas (Wlk.) (Schoenobiidae):					
Airplane	Japan		1		Hawaii.
Scotinophara lurida (Burm.) (Pentatomidae):					
Orchid	Formosa			1	Wash.
Scyphophorus acupunctatus Gyll. (Curculionidae):					
Agave americana (maguey)	Mexico	1			Tex.
Selenothrips rubrocinctus (Giard) (Thripidae):					
Rosa sp.	St. Kitts, Venezuela	2			P. R.
Sesamia cretica Led. (Phalaenidae):					
Sorghum vulgare technicum (broomcorn)	Italy		6		La., Tex.
Sidemia deparata (Btlr.) (?) (Phalaenidae):					
Airplane	Japan		1		Hawaii.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Wooden chair	Dominican Republic	1			P. R.
Sinoxylon sexdentatum (Oliv.) (Bostrichidae):					
Quercus sp. (oak)	Italy	1			Va.
Sitona lineata L. (Curculionidae):					
Brassica oleracea capitata (cabbage)	England		1		Tex.
Dahlia sp.	Netherlands	1			N. Y.
Flower seeds	Germany	1			N. Y.

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Sitona lineata—Continued					
Paper wrapping around *Cynerium* spp.	Spain	1			N. Y.
Syringa sp. (lilac)	Netherlands	1			N. Y.
Sparteus villosus (F.) (Bruchidae):					
Laburnum anagyroides	Italy			1	N. J.
Spartium junceum	do			1	Calif.*
Spermophagus cardui (Boh.) (Bruchidae):					
Convolvulus sericeus	Egypt			1	D. C.
Spodoptera mauritia (Bdv.) (Phalaenidae):					
Airplane	Hawaii		1		Hawaii.
Stator limbatus (Horn) (Bruchidae):					
Samanea saman	do	1			Hawaii.
Stator pruininus (Horn) (Bruchidae):					
Leucaena glauca	do	1			Hawaii.
Stenoma catenifer Wlsm. (Stenomidae):					
Persea americana (avocado)	Colombia, Ecuador, Guatemala, Mexico, Panama, Salvador, Venezuela.	35	4	1	Ala., Calif.*, D. C., La., Md., N. Y., P. R., Tex.
Steneotarsonemus laticeps (Halbert) (Tarsonemidae):					
Narcissus sp.	Belgium, Northern Ireland			2	N. J.
Stephanoderes hampei Ferr. (Scolytidae):					
Coffea sp. (coffee)	Brazil, Ceylon	1		2	Calif.*, La., D. C.
Sternochetus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, Kenya	23		2	Calif.*, Hawaii, N. J.
Stictoptera signifera (Wlk.) (Phalaenidae):					
Airplane	Japan		1		Hawaii.
Stilodes atromaculata Stal (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Sybra alternans (Wied.) (Cerambycidae):					
Airplane	Hawaii, unknown		2		Hawaii.
Bauhinia monandra	Hawaii	1			Hawaii.
Canavalia sp.	do	2			Hawaii.
Cordyline terminalis (ti)	do	1		1	Hawaii.
Operculina tuberosa (wood-rose)	do	2			Hawaii.
Sterculia urens	do	1			Hawaii.
Systole geniculata (Foerster) (Eurytomidae):					
Foeniculum vulgare (fennel)	Yugoslavia			1	N. Y.
Taeniothrips alliorum Pr. (Thripidae):					
Allium cepa (onion)	Hawaii	1			Hawaii.
Taeniothrips atratus (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Germany, Iceland, Scotland	4		1	Ill., Mass., N. Y.
Centaurea cyanus (cornflower)	Denmark	1			N. Y.
Chrysanthemum sp.	France	1			Ill.
Dahlia sp.	Netherlands	1			N. Y.
Dianthus sp. (carnation)	England, Germany, Netherlands., unknown	2	3		Mass., N. Y., Pa.
Flowers—assorted	England, Germany	1	1		Mass., N. Y.
Iris sp.	England			1	N. J.
Lathyrus odoratus (sweetpea)	Sweden	1			Ill.
Rosa sp. (rose)	Germany, unknown	1	1		Ill., N. Y.
Trilonia, sp.	England	1			Ill.
Zinnia sp.	Scotland	1			N. Y.
Taeniothrips dianthi Pr. (Thripidae):					
Dianthus sp. (carnation)	Portugal	1			N. Y.
Flowers	Unknown		1		P. R.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	England, Germany, Scotland, Switzerland, unknown.	19	1	4	Ill., Mass., N. Y., Pa.
Erica sp.	England			1	N. J.
Gladiolus sp.	Mexico	1			N. Y.
Taeniothrips gracilis Mlt. (Thripidae):					
Nymphaea odorata (waterlily)	Bermuda	1			Mass.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Alpinia sp.	Hawaii	1			Hawaii.
Chrysanthemum sp.	Japan		1		Hawaii.
Dianthus sp. (carnation)	Hawaii	1			Hawaii.
Gardenia augusta (gardenia)	do	17		2	Hawaii.

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Taeniothrips hawaiiensis—Continued					
Philadelphus sp. (mock orange)	do	1			Hawaii.
Plumeria sp	do	2			Hawaii.
Rosa sp. (rose)	Japan		1		Hawaii.
Sesuvium portulacastrum ("akulikuli")	Hawaii	1			Hawaii.
Zingiber officinale (ginger)	do	1			Hawaii.
Taeniothrips picipes (Zett.) (Thripidae):					
Gentiana sp. (bluebell)	Switzerland	2			N. Y.
Primula sp	England		1	1	Mass., N. J.
Taeniothrips vitticornis (Ky.) (Thripidae):					
Canavalia sp	Hawaii	1			Hawaii.
Taeniothrips vulgatissimus (Hal.) (Thripidae):					
Dahlia sp	Netherlands	1			N. Y.
Lathyrus odoratus (sweetpea)	Sweden	1			Ill.
Zinnia sp	Scotland	1			N. Y.
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Guatemala, Mexico	5			Tex.
Tapinaspis wesmaeli (Boh.) (Chrysomelidae):					
Chamaedorea oblongata	Mexico	1			Tex.
"*Targionia*" *bromiliae* (Leon) (Coccidae):					
Ananas comosus (pineapple)	Azores, Mexico	3			Mass., Tex.
"*Targionia*" *hartii* (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	Anguilla, British Honduras, British West Indies, Nevis, St. Kitts, Tortola.	6	1		N. Y., St. Thomas and St. John, Tex.
"*Targionia*" *sacchari* (Ckll.) (Coccidae):					
Paspalum sp	Puerto Rico			1	D. C.
Saccharum officinarum (sugarcane)	Antigua, Puerto Rico	1	1		Fla.*, St. Thomas and St. John.
Tarophagus proserpina (Kirk.) (Delphacidae):					
Colocasia antiquorum (taro)	Hawaii	1			Hawaii.
Tenthecoris angustimarginatus Hsiao & Sailer (Miridae):					
Orchid	Mexico			7	Tex.
Tenthecoris bicolor Scott (Miridae):					
Orchid	Guatemala, Mexico			13	Tex.
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Orchid	Costa Rica, Mexico			10	Calif.*, Fla., Tex.
Tenthecoris distinguendus Hsiao & Sailer (Miridae):					
Orchid	Canal Zone			2	Fla.
Tenuipalpus pacificus Baker (Tenuipalpidae):					
Phalaenopsis sp	Indonesia			1	Hawaii.*
Tenuirostritermes cinereus (Buckley) (Termitidae):					
Orchid	Mexico			4	Tex.
Tillandsia sp	do			1	Tex.
Tetranychus atlanticus McG. (Tetranychidae):					
Hibiscus sp	do			2	Ariz.
Tetranychus cinnabarinus (Boisd.) (Tetranychidae):					
Celosia sp. (cock's comb)	Lebanon	1			Mass.
Dianthus sp. (carnation)	Japan	1			Hawaii.
Pisum sativum (pea)	Mexico	1			Calif.
Tetranychus desertorum Banks (Tetranychidae):					
Gossypium sp. (cotton)	do	1			Tex.
Tetranychus telarius (L.) (Tetranychidae):					
Chrysanthemum sp	England (?)		1		Mass.
Dianthus sp. (carnation)	Argentina, Germany, Japan	1	1	1	Calif.*, Hawaii, Pa.
Fragaria sp. (strawberry)	France	1			N. Y.
Malus sylvestris (apple)	Chile	1			N. Y.
Rosa sp. (rose)	Greece, unknown	1	1		Mass.
Theba pisana (Muller) (Mollusca):					
Capsicum frutescens (pepper)	Portugal		1		Mass.
Cucumis melo (melon)	Spain		1		Pa.
Lactuca sativa (lettuce)	Gibraltar		1		Pa.
Military cargo	Morocco	2			S. C.
Thecla ziba Hew. (Lycaenidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Bromelia sylvestris	do	1			Tex.
Thrips angusticeps Uzel (Thripidae):					
Lactuca sativa (lettuce)	Italy, Morocco		3		N. Y., Pa.
Flowers and plants—assorted	Italy			1	N. Y.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Thrips flavus Schrank (Thripidae):					
Calluna vulgaris (heather)	Germany, Iceland, Scotland, Switzerland.	4		1	Mass., N. Y.
Chrysanthemum sp.	England	1			N. Y.
Daisy	British West Indies			1	N. Y.
Flowers—assorted	England		1		Mass.
Potentilla sp.	Germany			1	N. J.
Rosa sp. (rose)	Germany, Italy	2			N. Y., Va.
Thrips fuscipennis Hal. (Thripidae):					
Calluna vulgaris (heather)	Germany, Scotland	1		1	Mass., N. Y.
Centaurea cyanus (cornflower)	Denmark	1			N. Y.
Daisy	Germany	1			N. Y.
Dianthus sp. (carnation)	do	2			Mass., N. Y.
Flowers—assorted	do	1			N. Y.
Ilex sp.	Ireland	1			N. Y.
Lavandula sp. (lavender)	England	1			N. Y.
Potentilla fruticosa	Netherlands			1	N. J.
Rosa sp. (rose)	England	1			Mass.
Zinnia sp.	Germany	1			N. Y.
Thrips major Uzel (Thripidae):					
Calluna vulgaris (heather)	Germany, Scotland	2		1	Ill., Mass., N. Y.
Daisy	Germany	1			N. Y.
Dianthus sp. (carnation)	do	1			N. Y.
Flowers—assorted	England		1		Mass.
Potentilla sp.	Germany			1	N. J.
Rosa sp. (rose)	England	2			Ill., N. Y.
Thrips nigropilosus Uzel (Thripidae):					
Lactuca sativa (lettuce)	Egypt		1		Pa.
Rosa sp. (rose)	England	1			N. Y.
Tozotrypana curvicauda Gerst. (Tephritidae):					
Carica papaya (papaya)	Costa Rica		1		Calif.*
Trialeurodes lauri (Sign.) (Aleyrodidae):					
Laurus nobilis (Grecian laurel)	Italy			1	N. Y.
Trialeurodes vaporariorum (Westw.) (Aleyrodidae):					
Spathicarpa sagittifolia	Canada			1	N. J.
Tricentrus albomaculatus Dist. (Membracidae):					
Vanda sp. (orchid)	Hawaii	1			Hawaii.
Trionymus sacchari (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	Mexico	1			Ariz.
Trogoderma boron Beal (Dermestidae):					
Grain—mixed	do	5	2		Ariz., Calif., Tex.
Hordeum vulgare (barley)	do	1			Tex.
Triticum aestivum (wheat)	Mexico (?)		1		Calif.
Zea mays (corn)	do		1		Calif.
Trogoderma granarium Everts (Dermestidae):					
Arachis hypogaea (peanut)	Formosa		1		Pa.
Burlap bagging	India	1			N. Y.
Grain—assorted	Australia		1		S. C.
Oryza sativa (rice)	China, India, Formosa	1	13		Ala., Hawaii, La., Md., N. Y., Pa., Tex.
Pisum sativum (pea)	India		1		Ala.
Trogoderma ornatum (Say) (Dermestidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Wrapping	Hawaii	1			Hawaii.
Trogoderma sternale Jayne ssp. (Dermestidae):					
Gossypium sp. (cotton; lint)	Mexico		1		Calif.
"Mandado" bin	Mexico (?)	1			Tex.
Trogoxylon aequale (Woll.) (Lyctidae):					
Swietenia mahagony (mahogany)	Haiti	1			Fla.
Typocerus zebrata (Oliv.) (Cerambycidae):					
Airplane	Japan		1		Haiwai.
Tyrophagus infestans (Berl.) (Acaridae):					
Apium graveolens (celery)	Egypt		1		Mass.
Brassica oleracea capitata (cabbage)	Denmark	1			Mass.
Hoheria populnea (ribbon wood)	Ireland	1			Mass.
Persea americana (avocado)	Dominican Republic		1		Pa.
Phaseolus vulgaris var. (string bean)	Peru		1		N. Y.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Tyrophagus infestans—Continued					
Soil with plants and bulbs	Germany, Italy	----	----	2	Mass.
Soil with leek	Straits Settlements	----	1	----	Mass.
Solanum tuberosum (potato)	Canada	----	1	----	Tex.
Udea rubigalis (Guen.) (Pyraustidae):					
Cuttings—unidentified	Mexico	----	----	1	Tex.
Unaspis citri (Comst.) (Coccidae):					
Citrus hystrix	Australia	----	1	----	Hawaii.
Citrus paradisi (grapefruit)	Colombia	1	----	----	Fla.*
Citrus reticulata (Mandarin orange)	Japan	----	1	----	Calif.*
Citrus sinensis (orange)	Cuba, Dominican Republic	----	2	----	Fla.*
Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus aurantium (sour orange)	Japan	----	4	----	Calif.*
Citrus grandis (pummelo)	China	----	1	----	Hawaii.
Citrus limon (lemon)	Japan	----	3	----	Calif.*
Citrus paradisi (pomelo)	do	----	1	----	Hawaii.
Citrus reticulata (Mandarin orange)	China, Japan, Philippines	6	30	----	Calif.*, Hawaii, Pa.
Citrus sinensis (orange)	Japan, Philippines	1	22	----	Calif.*, Hawaii.
Citrus sp	Japan	3	----	----	Hawaii.
Poncirus trifoliata (trifoliate-orange)	do	----	----	1	D. C.
Valtissius diversus (Dist.) (Lygaeidae):					
Brassia sp. (orchid)	British Honduras	----	----	1	Tex.
Vinsonia stellifera (Westw.) (Coccidae):					
Aspasia epidendroides (orchid)	Canal Zone	----	----	2	Calif.*
Brassia caudata (orchid)	do	----	----	1	Fla.
Brassia gireoudiana	do	----	----	1	Calif.*
Brassia sp	do	----	----	4	Fla.
Broughtonia sp. (orchid)	Cuba (?), Jamaica	----	----	8	Fla.
Cattleya trianae (orchid)	Canal Zone	----	----	1	Calif.*
Cypripedium ezul (orchid)	Straits Settlements	----	----	1	Hawaii.
Epidendrum ciliare (orchid)	Canal Zone	----	----	2	Fla.
Epidendrum prismatocarpum	do	----	----	1	Fla.
Epidendrum stamfordianum	do	----	----	1	Fla.
Epidendrum sp	Canal Zone, Cuba, Trinidad	----	----	4	Fla., Hawaii, N. J.
Heliconia sp	Cuba	1	----	----	Fla.*
Leaf—unidentified	Barbados	1	----	----	Ill.
Oncidium confusum (orchid)	Canal Zone	----	----	1	Fla.
Oncidium sp	Canal Zone, Jamaica	----	----	3	Fla.
Orchid	Bahamas, Canal Zone, Costa Rica, Cuba, Curacao, Dominican Republic, Guatemala, Haiti, Jamaica, Panama, St. Lucia, Trinidad.	----	----	24	Calif.*, Fla., P. R.
Phayus sp (orchid)	Cuba	----	----	1	Fla.
Stanhopea grandiflora (orchid)	Trinidad	----	----	1	Hawaii.*
Stanhopea wardii	Canal Zone	----	----	1	Fla.
Xylobium sp. (orchid)	do	----	----	1	Tex.
Xyleborus semigranosus Bldfd. (Scolytidae):					
Cordyline terminalis (ti)	Hawaii	----	----	1	Hawaii.
Xylobiops sextuberculatus (LeC.) (Bostrichidae):					
Mangifera indica (mango)	Mexico	2	----	----	Ariz., Calif.
Zonitoides arboreus (Say) (Mollusca):					
Cordyline terminalis (ti)	Hawaii	1	----	----	Hawaii.
Fern	do	----	----	1	Hawaii.
Juniperus sp.	Japan	----	----	1	Calif.*
Orchid	Mexico	----	----	1	Fla.

Hosts and Insects

ABIES:
Megastigmus pinuspinus (Hymenoptera)
Megastigmus rafni (Hymenoptera)
ACACIA:
"Acanthoscelides" spinipes (Coleoptera)
Mimosestes sallaei (Coleoptera)
ACER:
Periphyllus californiensis (Homoptera)
ACHRAS:
Anastrepha fraterculus (Diptera)
Anastrepha serpentina (Diptera)
ADESMIA:
Frankliniella cestrum (Thysanoptera)
AGARICUS:
Nemapogon granella (Lepidoptera)
AGAVE:
Euschistus comptus (Hemiptera)
Scyphophorus acupunctatus (Coleoptera)
ALLIUM CEPA:
Prodenia eridania (Lepidoptera)
Taeniothrips alliorum (Thysanoptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
ALLIUM SATIVUM:
Brachycerus albidentatus (Coleoptera)
Brachycerus algirus (Coleoptera)
Dyspessa ulula (Lepidoptera)
Frankliniella tenuicornis (Thysanoptera)
ALOPECURUS:
Macroplax fasciata (Hemiptera)
ALPINIA:
Amorbia emigratella (Lepidoptera)
Ceroplastes rubens (Homoptera)
Pentalonia nigronervosa (Homoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
ALYXIA:
Ceroplastes rubens (Homoptera)
Phenacaspis sandwicensis (Homoptera)
ANANAS:
Agroiconota propinqua (Coleoptera)
Alpheias conspirata (Lepidoptera)
Bradybaena similaris (Mollusca)
Chalcodermus dentiferus (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Euethecla bidentata (Coleoptera)
Exptochiomera oblonga (Hemiptera)
Heterobostrychus aequalis (Coleoptera)
Pyroderces stigmatophora (Lepidoptera)
Ribua innoxia (Lepidoptera)
"Targonia" bromiliae (Homoptera)
Thecla ziba (Lepidoptera)
ANNONA:
Anastrepha serpentina (Diptera)
Aspidiotus destructor (Homoptera)
Bephrata maculicollis (Hymenoptera)
Cerconota anonella (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Talponia batesi (Lepidoptera)
ANTHURIUM:
Bradybaena similaris (Mollusca)
Ceroplastes rubens (Homoptera)
Chlorophorus annularis (Coleoptera)
Hyalopeplus pellucidus (Hemiptera)
Iridomyrmex humilis (Hymenoptera)
Metamasius sericeus (Coleoptera)
Pheidole megacephala (Hymenoptera)
APIUM:
Limax flavus (Mollusca)
Tyrophagus infestans (Acarina)
ARACHIS:
Caryedon fuscus (Coleoptera)
Trogoderma granarium (Coleoptera)
ARCTOTIS:
Microcephalothrips abdominalis (Thysanoptera)
AROID:
Chrysomphalus umboniferus (Homoptera)
ASPARAGUS:
Crioceris asparagi (Coleoptera)
ASPASIA:
Vinsonia stellifera (Homoptera)
ASTER:
Frankliniella intonsa (Thysanoptera)
ASTRAGALUS:
Bruchidius picipes (Coleoptera)
AVERRHOA:
Ceratitis capitata (Diptera)
BAUHINIA:
Protopulvinaria pyriformis (Homoptera)
Sybra alternans (Coleoptera)
BETA:
Gnorimoschema ocellatella (Lepidoptera)
Hypera postica (Coleoptera)
BRASSAVOLA:
Diorymerellus laevimargo (Coleoptera)
Furcaspis biformis (Homoptera)
BRASSIA:
Diorymerellus laevimargo (Coleoptera)
Valtissius diversus (Hemiptera)
Vinsonia stellifera (Homoptera)
BRASSICA CHINENSIS:
Listroderes costirostris obliquus (Coleoptera)
BRASSICA OLERACEA BOTRYTIS:
Evergestis forficalis (Lepidoptera)
Phytomyza rufipes (Diptera)
BRASSICA OLERACEA CAPITATA:
Deroceras reticulatum (Mollusca)
Evergestis forficalis (Lepidoptera)
Frankliniella tenuicornis (Thysanoptera)
Limax marginatus (Mollusca)
Mamestra brassicae (Lepidoptera)
Phytomyza rufipes (Diptera)
Stiona lineata (Coleoptera)
Tyrophagus infestans (Acarina)
BRASSICA RAPA:
Metamasius sericeus (Coleoptera)
Phytomyza rufipes (Diptera)
Psylliodes chrysocephala (Coleoptera)
BROMELIA:
Thecla ziba (Lepidoptera)
BROMELIACEAE:
Deroceras reticulatum (Mollusca)
Helix aspersa (Mollusca)
Limax marginatus (Mollusca)
Limothrips cerealium (Thysanoptera)
Plagiodera thymaloides (Coleoptera)
BROUGHTONIA:
Vinsonia stellifera (Homoptera)
BRYOPHYLLUM:
Coccus viridis (Homoptera)
BUDDLEIA:
Frankliniella formosae (Thysanoptera)
BUXUS:
Eriophyes canestrinii (Acarina)
CACTUS:
Alypioides geronimo (Lepidoptera)
Lygaeus pusio (Hemiptera)
Nysius raphanus (Hemiptera)
Oxygrylius rugipasus (Coleoptera)
Paromius longulus (Hemiptera)
Prodenia ornithogalli (Lepidoptera)
CAJANUS:
Ancylostomia stercorea (Lepidoptera)
Callosobruchus maculatus (Coleoptera)
Fundella pellucens (Lepidoptera)
Monomorium destructor (Hymenoptera)
Nezara viridula (Hemiptera)
Platynota rostrana (Lepidoptera)
CALADIUM:
Pheidole megacephala (Hymenoptera)
CALAMUS (?):
Micrapate mexicana (Coleoptera)
CALLUNA:
Frankliniella intonsa (Thysanoptera)
Limothrips cerealium (Thysanoptera)
Livia juncorum (Homoptera)
Micrelus ericae (Coleoptera)
Platythrips tunicatus (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips ericae (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
CALOCARPUM:
Anastrepha serpentina (Diptera)

Hosts and Insects—Continued

CAMELLIA:
Brevipalpus inornatus (Acarina)
Chrysomphalus personatus (Homoptera)
Parlatoria camelliae (Homoptera)
Pinnaspis uniloba (Homoptera)
CANAVALIA:
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Sybra alternans (Coleoptera)
Taeniothrips vitticornis (Thysanoptera)
CAPSICUM:
Aufeius impressicollis (Hemiptera)
Gnorimoschema gudmannella (Lepidoptera)
Nysius raphanus (Hemiptera)
Paragonatus divergens (Hemiptera)
Platynota rostrana (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
Theba pisana (Mollusca)
Trogoderma ornatum (Coleoptera)
CARICA:
Dacus dorsalis (Diptera)
Toxotrypana curvicauda (Diptera)
CASTANEA:
Curculio elephas (Coleoptera)
Curculio nucum (Coleoptera)
Laspeyresia splendana (Lepidoptera)
CATTLEYA:
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Lygaeus guatemalanus (Hemiptera)
Pseudischnaspis alienus (Homoptera)
Vinsonia stellifera (Homoptera)
CELOSIA:
Tetranychus cinnabarinus (Acarina)
CENTAUREA:
Taeniothrips atratus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
CHAMAEDOREA:
Calyptocephala gerstaeckeri (Coleoptera)
Chaetocnema ectypa (Coleoptera)
Charidotis seminulum (Coleoptera)
Clerada apicicornis (Hemiptera)
Ctenochira aspersa (Coleoptera)
Deloyala guttata (Coleoptera)
Epicaerus fallax (Coleoptera)
Metriona crucipennis (Coleoptera)
Tapinaspis wesmaeli (Coleoptera)
CHRYSANTHEMUM:
Frankliniella formosae (Thysanoptera)
Frankliniella tritici (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Homoeosoma electellum (Lepidoptera)
Limothrips cerealium (Thysanoptera)
Microcephalothrips abdominalis (Thysanoptera)
Phytomyza atricornis (Diptera)
Plautia fimbriata (Hemiptera)
Pyrausta nubilalis (Lepidoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Tetranychus telarius (Acarina)
Thrips flavus (Thysanoptera)
CHRYSOPHYLLUM:
Anastrepha serpentina (Diptera)
CICHORIUM:
Phytomyza rufipes (Diptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudischnaspis longissima (Homoptera)
CITRUS AURANTIUM:
Dialeurodes citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS DEPRESSA:
Parlatoria zizyphus (Homoptera)
CITRUS GRANDIS:
Unaspis yanonensis (Homoptera)
CITRUS HYSTRIX:
Unaspis citri (Homoptera)
CITRUS LIMON:
Ceratitis capitata (?) (Diptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudococcus gahani (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS LIMON VAR. PONDEROSA:
Anastrepha ludens (Diptera)
CITRUS PARADISI:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (Diptera)
Leucaspis cockerelli (Homoptera)
Olethreutes leucotreta (Lepidoptera)
Parlatoria cinerea (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS RETICULATA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus bifasciculatus (Homoptera)
Dialeurodes citri (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Leucaspis cockerelli (Homoptera)
Myelois ceratoniae (Lepidoptera)
Olethreutes leucotreta (Lepidoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SP.
Aleurocanthus woglumi (Homoptera)
Glycyphagus domesticus (Acarina)
Parlatoria zizyphus (Homoptera)
Pulvinaria aurantii (Homoptera)
Unaspis yanonensis (Homoptera)
CLADOBIUM:
Eurytoma orchidearum (Hymenoptera)
COCOS:
Aonidiella inornata (Homoptera)
Aspidiotus destructor (Homoptera)
Diocalandra taitensis (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Furcaspis oceanica (Homoptera)
Kalotermes immigrans (Isoptera)
Parlatoria crotonis (Homoptera)
Pseudococcus palmarum (Homoptera)
Pseudococcus saipanensis (Homoptera)
CODIAEUM:
Lepidosaphes tokionis (Homoptera)
Parlatoria crotonis (Homoptera)
COFFEA:
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (Diptera)
Stephanoderes hampei (Coleoptera)
COLOCASIA:
Bradybaena similaris (Mollusca)
Tarophagus proserpina (Homoptera)
COLUTEA:
Bruchophagus coluteae (Hymenoptera)
CONVOLVULUS:
Spermophagus cardui (Coleoptera)
COPAIFERA:
Adetus mucoreus (Coleoptera)
Dysdercus rusticus (Hemiptera)
Platypus rugulosus (Coleoptera)
CORDYLINE:
Adoretus sinicus (Coleoptera)
Bradybaena similaris (Mollusca)

Hosts and Insects—Continued

CORDYLINE—Continued
Dacus dorsalis (Diptera)
Deroceras reticulatum (Mollusca)
Parthenothrips dracaenae (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Phenacaspis sandwicensis (Homoptera)
Pinnaspis buxi (Homoptera)
Plusia chalcites (?) (Lepidoptera)
Sybra alternans (Coleoptera)
Xyleborus semigranosus (Coleoptera)
Zonitoides arboreus (Mollusca)
CORTADERIA:
Haplothrips gowdeyi (Thysanoptera)
Pseudococcus boninsis (Homoptera)
CRATAEGUS:
Ceratitis capitata (Diptera)
CUCUMIS:
Dacus cucurbitae (Diptera)
Exptochiomera confusa (Hemiptera)
Lozostege similalis (Lepidoptera)
Theba pisana (Mollusca)
CUPRESSUS:
Barbara tessulatana (Lepidoptera)
Dactylotrypes uyttenboogaarti (Coleoptera)
Orsillus depressus (Hemiptera)
CYCAD:
Cryphula apicatus (Hemiptera)
CYCLAMEN:
Frankliniella intonsa (Thysanoptera)
CYDONIA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
CYMBIDIUM:
Lepidosaphes tuberculata (Homoptera)
Ozycarenus bicolor (Hemiptera)
CYNARA:
Anuraphis cardui (Homoptera)
Gortyna flavago (Lepidoptera)
CYPRIPEDIUM:
Vinsonia stellifera (Homoptera)
CYRTOSTACHYS:
Pinnaspis buxi (Homoptera)
DAHLIA:
Frankliniella bispinosa (Thysanoptera)
Frankliniella formosae (Thysanoptera)
Frankliniella intonsa (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Microcephalothrips abdominalis (Thysanoptera)
Odontotermes wallonensis (Isoptera)
Sitona lineata (Coleoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips vulgatissimus (Thysanoptera)
DAISY:
Haplothrips gowdeyi (Thysanoptera)
Microcephalothrips abdominalis (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
DELONIX:
Amorbia emigratella (Lepidoptera)
DELPHINIUM:
Diaprepes abbreviata (Coleoptera)
DIANTHUS:
Frankliniella formosae (Thysanoptera)
Frankliniella schultzei (Thysanoptera)
Haplothrips cottei (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Microcephalothrips abdominalis (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips dianthi (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Tetranychus cinnabarinus (Acarina)
Tetranychus telarius (Acarina)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
DIEFFENBACHIA:
Bradybaena similaris (Mollusca)
DIOSCOREA:
Pheidole megacephala (Hymenoptera)
"*Targionia*" *hartii* (Homoptera)
DIOSPYROS:
Ceratitis capitata (?) (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Dacus dorsalis (Diptera)
DOLICHOS:
Callosobruchus maculatus (Coleoptera)
Callosobruchus phaseoli (Coleoptera)
EPIDENDRUM:
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Vinsonia stellifera (Homoptera)
ERICA:
Oxychilus allarius (Mollusca)
Taeniothrips ericae (Thysanoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
EUGENIA:
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (?) (Diptera)
FATSIA:
Ceroplastes rubens (Homoptera)
Chrysomphalus bifasciculatus (Homoptera)
Haplothrips aculeatus (Thysanoptera)
FERN:
Deroceras reticulatum (Mollusca)
FICUS:
Asterolecanium pustulans (Homoptera)
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
FOENICULUM:
Systole geniculata (Hymenoptera)
FRAGARIA:
Tetranychus telarius (Acarina)
GARDENIA:
Amorbia emigratella (Lepidoptera)
Bradybaena similaris (Mollusca)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Eucalymnatus tesselatus (Homoptera)
Iridomyrmex humilis (Hymenoptera)
Monomorium destructor (Hymenoptera)
Pealius hibisci (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GENTIANA:
Frankliniella intonsa (Thysanoptera)
Taeniothrips picipes (Thysanoptera)
GESNERIA:
Deroceras reticulatum (Homoptera)
GLADIOLUS:
Amorbia emigratella (Lepidoptera)
Anuraphis tulipae (Homoptera)
Frankliniella formosae (Thysanoptera)
Limothrips cerealium (Thysanoptera)
Taeniothrips ericae (Thysanoptera)
GLEDITSIA:
Bruchidius dorsalis (Coleoptera)
GLYCINE:
Callosobruchus maculatus (Coleoptera)
GLYCYRRHIZA:
Bruchophagus glycyrrhizae (Hymenoptera)
GOSSYPIUM:
Ozycarenus bicolor (Hemiptera)
Pectinophora gossypiella (Lepidoptera)
Pectinophora scutigera (Lepidoptera)
Tetranychus desertorum (Acarina)
Trogoderma sternale (Coleoptera)
GYPSOPHILA:
Frankliniella bispinosa (Thysanoptera)
HEDYCHIUM:
Achatina fulica (Mollusca)
Bradybaena similaris (Mollusca)
Pentalonia nigronervosa (Homoptera)
HELICHRYSUM:
Microcephalothrips abdominalis (Thysanoptera)
HELICONIA:
Bradybaena similaris (Mollusca)
Vinsonia stellifera (Homoptera)
HIBISCUS:
Crocidosema plebeiana (Lepidoptera)
Pectinophora gossypiella (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Tetranychus atlanticus (Acarina)
HOHERIA:
Tyrophagus infestans (Acarina)

Hosts and Insects—Continued

HORDEUM:
Trogoderma boron (Coleoptera)
ILEX:
Thrips fuscipennis (Thysanoptera)
INGA:
Anastrepha distincta (?) (Diptera)
IPOMOEA:
Cylas formicarius (Coleoptera)
Cylas formicarius elegantulus (Coleoptera)
Cylas formicarius formicarius (Coleoptera)
Euscepes postfasciatus (Coleoptera)
IRIS:
Anuraphis tulipae (Homoptera)
Bregmatothrips iridis (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
IXORA:
Coccus viridis (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pulvinaria psidii (Homoptera)
JASMINUM:
Amorbia emigratella (Lepidoptera)
Dialeurodes kirkaldyi (?) (Homoptera)
JUGLANS:
Rhagoletis completa (Diptera)
JUNIPERUS:
Oligonychus perditus (Acarina)
Zonitoides arboreus (Mollusca)
LABURNUM:
Sparteus villosus (Coleoptera)
LACTUCA:
Cnephasia longana (Lepidoptera)
Deroceras reticulatum (Homoptera)
Nysius californicus (Hemiptera)
Theba pisana (Mollusca)
Thrips angusticeps (Thysanoptera)
Thrips nigropilosus (Thysanoptera)
LAELIA:
Chrysomphalus umboniferus (Homoptera)
Pseudischnaspis alienus (Homoptera)
Puto ulter (Homoptera)
LANSIUM:
Pachybrachius neitneri (Hemiptera)
Pseudococcus halli (tentative) (Homoptera)
LATHYRUS:
Bruchus brachialis (Coleoptera)
Bruchus tristis (Coleoptera)
Frankliniella bispinosa (Thysanoptera)
Frankliniella intonsa (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips vulgatissimus (Thysanoptera)
LAURUS:
Trialeurodes lauri (Homoptera)
LAVANDULA:
Thrips fuscipennis (Thysanoptera)
LENS:
Bruchus ervi (Coleoptera)
Bruchus lentis (Coleoptera)
Bruchus signaticornis (Coleoptera)
Bruchus ulicis (Coleoptera)
Callosobruchus analis (Coleoptera)
LEUCAENA:
Ereunetis flavistriata (Lepidoptera)
Stator pruininus (Coleoptera)
LILIUM:
Bradybaena similaris (Mollusca)
Frankliniella formosae (Thysanoptera)
Lilioceris lilii (Coleoptera)
Liliothrips vaneeckei (Thysanoptera)
Nysius californicus (Hemiptera)
LONICERA:
Monomorium destructor (Hymenoptera)
LYCOPERSICON:
Blissus leucopterus (Hemiptera)
Dacus cucurbitae (Diptera)
Heliothis subflexa (Lepidoptera)
Nysius raphanus (Hemiptera)
Plagiometriona diversicollis (Coleoptera)
Platynota rostrana (Lepidoptera)
Prodenia eridania (Lepidoptera)
MACADAMIA:
Cryptophlebia illepida (Lepidoptera)
MALUS:
Anastrepha ludens (Diptera)
Argyresthia conjugella (Lepidoptera)
Austrotortrix postvittana (Lepidoptera)
Brevipalpus oudemansi (Acarina)
Carposina sasakii (Lepidoptera)
Ceratitis capitata (Diptera)
Deroceras reticulatum (?) (Mollusca)
Glycyphagus domesticus (Acarina)
Grapholitha molesta (Lepidoptera)
Lepidosaphes conchiformis (Homoptera)
Rhagoletis pomonella (Diptera)
Tetranychus telarius (Acarina)
MAMMEA:
Aspidiotus herculeanus (Homoptera)
Chrysomphalus odontoglossi (Homoptera)
MANGIFERA:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha striata (Diptera)
Aulacaspis mangiferae (Homoptera)
Ceratitis capitata (?) (Diptera)
Dacus dorsalis (Diptera)
Dacus passiflorae (?) (Diptera)
Phenacaspis sandwicensis (Homoptera)
Sternochetus mangiferae (Coleoptera)
Xylobiops sextuberculatus (Coleoptera)
MESEMBRYANTHEMUM:
Frankliniella sulphurea (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
MESPILUS:
Ceratitis capitata (Diptera)
MIMOSA:
Acanthoscelides spinipes (Coleoptera)
MONSTERA:
Pinnaspis buxi (Homoptera)
MUSA:
Cosmopolites sordidus (Coleoptera)
Epilachna paenulata (Coleoptera)
Metamasius sericeus (Coleoptera)
Polytus mellerborgii (Coleoptera)
MUSCARI:
Bouhelia maroccana (Homoptera)
NARCISSUS:
Limothrips cerealium (Thysanoptera)
Steneotarsonemus laticeps (Acarina)
NERIUM:
Amorbia emigratella (Lepidoptera)
Haplothrips gowdeyi (Thysanoptera)
NYMPHAEA:
Taeniothrips gracilis (Thysanoptera)
OLEA:
Dacus oleae (Diptera)
ONCIDIUM:
Asterolecanium epidendri (Homoptera)
Furcaspis biformis (Homoptera)
Vinsonia stellifera (Homoptera)
ONOBRYCHIS:
Bruchidius gilvus (Coleoptera)
Bruchophagus onobrychidis (Hymenoptera)
ONONIS:
Bruchophagus ononis (Hymenoptera)
OPERCULINA:
Araecerus vieillardi (Coleoptera)
Megacerus alternatus (Coleoptera)
Pantomorus godmani (Coleoptera)
Sybra alternans (Coleoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
ORCHID:
Adoretus sinicus (Coleoptera)
Anaphothrips orchidaceus (Thysanoptera)
Anchastus flavovittatus (Coleoptera)
Anthonomus ruficollis (Coleoptera)
Aphanus umbrosus (Hemiptera)
Asterolecanium epidendri (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Crophius dirupta (Hemiptera)
Cryphula apicatus (Hemiptera)
Deloyala guttata (Coleoptera)
Deloyala lecontei (Coleoptera)

Hosts and Insects—Continued

ORCHID—Continued
Dendrocoris variegatus (Hemiptera)
Deroceras reticulatum (Mollusca)
Diorymerellus laevimargo (Coleoptera)
Exptochiomera confusa (Hemiptera)
Exptochiomera formosa (Hemiptera)
Farinococcus guatemalensis (Homoptera)
Ferrisia virgata (Homoptera)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
Galgupha quadrisignata (Hemiptera)
Galgupha tezana (Hemiptera)
Helix aspersa (Mollusca)
Heraeus guttatus (Hemiptera)
Heterotermes aureus (Isoptera)
Hyperparachma rhodalis (Lepidoptera)
Iridomyrmex iniquus (Hymenoptera)
Limax marginatus (Mollusca)
Listroderes costirostris obliquus (Coleoptera)
Macropygium reticulare (Hemiptera)
Mecolaemus carvalhoi (?) (Hemiptera)
Monanthia monotropidia (Hemiptera)
Mormidea pictiventris (Hemiptera)
Neurocternus litigiosus (Hemiptera)
Nysius raphanus (Hemiptera)
Oedionychis atroguttata (Coleoptera)
Oedionychis pavonina (Coleoptera)
Ogdoecosta biannularis (Coleoptera)
Paromius longulus (Hemiptera)
Pheidole megacephale (Hymenoptera)
Phelypera distigma (Coleoptera)
Physonota citrinella (Coleoptera)
Physonota picticollis (Coleoptera)
Plagiodera congesta (Coleoptera)
Plagiodera semivittata (Coleoptera)
Plagiodera thymaloides (Coleoptera)
Praeblisus albofasciatus (Hemiptera)
Puto ulter (Homoptera)
Rejectaria pharusalis (Lepidoptera)
Scotinophara lurida (Hemiptera)
Stilodes atromaculata (Coleoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenthecoris distinguendus (Hemiptera)
Tenuirostritermes cinereus (Isoptera)
Vinsonia stellifera (Homoptera)
Zonitoides arboreus (Mollusca)
ORNITHOGALUM:
Epichorista ionephala (Lepidoptera)
Frankliniella schultzei (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Leptidiella brevipennis (Coleoptera)
ORYZA:
Chilo suppressalis (Lepidoptera)
Monomorium destructor (Hymenoptera)
Trogoderma granarium (Coleoptera)
PACHIRA:
Coccus viridis (Homoptera)
PACHYCEREUS:
Pseudodiaspis yuccae (Homoptera)
PALM:
Aspidiotus destructor (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Metriona crucipennis (Coleoptera)
PASPALUM:
"*Targionia*" *sacchari* (Homoptera)
PELARGONIUM:
Exptochiomera confusa (Hemiptera)
Frankliniella occidentalis (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
PERSEA:
Conotrachelus aguacatae (Coleoptera)
Heilipus lauri (Coleoptera)
Stenoma catenifer (Lepidoptera)
Tyrophagus infestans (Acarina)
PHAEOMERIA:
Bradybaena similaris (Mollusca)
PHAJUS:
Vinsonia stellifera (Homoptera)
PHALAENOPSIS:
Tenuipalpus pacificus (Acarina)

PHASEOLUS:
Apion griseum (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Caulophilus latinasus (Coleoptera)
Epinotia aporema (Lepidoptera)
Everes comyntas (Lepidoptera)
Lampides boeticus (Lepidoptera)
Laspeyresia leguminis (Lepidoptera)
Maruca testulalis (Lepidoptera)
Tyrophagus infestans (Acarina)
PHILADELPHUS:
Franklinella sulphurea (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
PHILODENDRON:
Bradybaena similaris (Mollusca)
Eucalymnatus tessellatus (Homoptera)
Lamellaxis gracilis (Mollusca)
Neoleucon rubrotylus (Hemiptera)
PHYSALIS:
Heliothis subflexa (Lepidoptera)
PILEA:
Amorbia emigratella (Lepidoptera)
PINUS:
Dichocrocis punctiferalis (Lepidoptera)
Dryocoetes autographus (Coleoptera)
Ernobius mollis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Leucaspis pusilla (Homoptera)
PIPER:
Aonidiella inornata (Homoptera)
PISUM:
Bruchus emarginatus (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Lampides boeticus (Lepidoptera)
Laspeyresia nigricana (Lepidoptera)
Maruca testulalis (Lepidoptera)
Tetranychus cinnabarinus (Acarina)
Trogoderma granarium (Coleoptera)
PITTOSPORUM:
Brevipalpus inornatus (Acarina)
PLUMERIA:
Amorbia emigratella (Lepidoptera)
Bradybaena similaris (Mollusca)
Deroceras reticulatum (Mollusca)
Orchidophilus peregrinator (Coleoptera)
Pantomorus godmani (Coleoptera)
Taeniothripe hawaiiensis (Thysanoptera)
PONCIRUS:
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
POTENTILLA:
Frankliniella intonsa (Thysanoptera)
Limothrips cerealium (Thysanoptera)
Limothrips denticornis (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
PRIMULA:
Phytomyza atricornis (Diptera)
Taeniothrips picipes (Thysanoptera)
PROTEA:
Glycyphagus domesticus (Acarina)
PRUNUS AMYGDALUS:
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (?) (Diptera)
PRUNUS ARMENIACA:
Ceratitis capitata (Diptera)
Ischnodemus diplopterus (Hemiptera)
PRUNUS DOMESTICA:
Eulia auraria (Lepidoptera)
Grapholitha molesta (Lepidoptera)
Pseudococcus gahani (Homoptera)
PRUNUS NIPPONICA:
Anthonomus rectirostris (Coleoptera)
PRUNUS PERSICA:
Ceratitis capitata (Diptera)
Grapholitha molesta (Lepidoptera)
Pseudococcus comstocki (Homoptera)
PRUNUS PERSICA NECTARINA:
Ceratitis capitata (Diptera)

Hosts and Insects—Continued

PRUNUS SP. (cherry):
Rhagoletis cerasi (Diptera)
PRUNUS SP.:
Pseudococcus matsumotoi (Homoptera)
PSIDIUM:
Amorbia emigratella (Lepidoptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha striata (Diptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (Diptera)
PUNICA:
Amorbia emigratella (Lepidoptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Myelois ceratoniae (Lepidoptera)
PYRUS:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Ceratitis capitata (Diptera)
Grapholitha molesta (Lepidoptera)
QUERCUS:
Curculio elephas (Coleoptera)
Neuroterus numismalis (Hymenoptera)
Neuroterus quercus-baccarum (Hymenoptera)
Porthetria dispar (Lepidoptera)
Sinoxylon sexdentatum (Coleoptera)
RHODODENDRON:
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleella (Lepidoptera)
Haplothrips aculeatus (Thysanoptera)
Limothrips cerealium (Thysanoptera)
Psylla rhododendri (Homoptera)
RODRIGUEZIA:
Furcaspis biformis (Homoptera)
ROSA:
Frankliniella formosae (Thysanoptera)
Frankliniella intonsa (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Microcephalothrips abdominalis (Thysanoptera)
Pseudaonidia trilobitiformis (Homoptera)
Selenothrips rubrocinctus (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
Tetranychus telarius (Acarina)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
Thrips nigropilosus (Thysanoptera)
ROSMARINUS:
Cacoecia pronubana (?) (Lepidoptera)
SACCHARUM:
Chilo loftini (Lepidoptera)
"Targionia" sacchari (Homoptera)
Trionymus sacchari (Homoptera)
SAMANEA:
Cryptophlebia illepida (Lepidoptera)
Stator limbatus (Coleoptera)
SAPOTE:
Anastrepha ludens (Diptera)
SARACA:
Pseudaonidia trilobitiformis (Homoptera)
SCIRPUS:
Glycyphagus domesticus (Acarina)
SELAGINELLA:
Philaspis birulnerata (Coleoptera)
SERISSA:
Brevipalpus inornatus (Acarina)
SESBANIA:
Bruchophagus mellipes (Hymenoptera)
SESUVIUM:
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
SOIL:
Deroceras reticulatum (Mollusca)
Euetheola rugiceps (Coleoptera)
Frankliniella tenuicornis (Thysanoptera)
Glycyphagus domesticus (Acarina)
Haplothrips cottei (Thysanoptera)
Limax marginatus (Mollusca)
Limothrips cerealium (Thysanoptera)
Limothrips denticornis (Thysanoptera)
Listroderes costirostris obliquus (Coleoptera)
Ozychilus allarius (Mollusca)
Pheidole megacephala (Hymenoptera)
Tyrophagus infestans (Acarina)
SOLANUM MELONGENA:
Leucinodes orbonalis (Lepidoptera)
Milax gagates (Mollusca)
Pachyzancla periusalis (Lepidoptera)
SOLANUM TUBEROSUM:
Ligyrocoris nitidicollis (Hemiptera)
Tyrophagus infestans (Acarina)
SORGHUM:
Blissus leucopterus (Hemiptera)
Haplothrips gowdeyi (?) (Thysanoptera)
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
SPARTIUM:
Sparteus villosus (Coleoptera)
SPATHICARPA:
Trialeurodes vaporariorum (Homoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
STANHOPEA:
Asterolecanium epidendri (Homoptera)
Cephalodonta callosa (Coleoptera)
Vinsonia stellifera (Homoptera)
STENOTAPHRUM:
Hymenia perspectalis (Lepidoptera)
STERCULIA:
Oxydema fusiforme (Coleoptera)
Sybra alternans (Coleoptera)
STRELITZIA:
Pantomorus godmani (Coleoptera)
Phenacaspis sandwicensis (Homoptera)
Pinnaspis buxi (Homoptera)
SWIETENIA:
Agroiconota propinqua (Coleoptera)
Trogoxylon aequale (Coleoptera)
SYRINGA:
Galerucella xanthomelaena (Coleoptera)
Haplothrips aculeatus (Thysanoptera)
Limothrips cerealium (Thysanoptera)
Sitona lineata (Coleoptera)
TAGETES:
Microcephalothrips abdominalis (Thysanoptera)
TAMARINDUS:
Myelois ceratoniae (Lepidoptera)
TERMINALIA:
Dacus dorsalis (?) (Diptera)
THEMEDA:
Aplocnemus aerosus (Coleoptera)
THEOBROMA:
Pseudaonidia trilobitiformis (Homoptera)
THEVETIA:
Dacus dorsalis (?) (Diptera)
TILLANDSIA:
Monanthia monotropidia (Hemiptera)
Tenuirostritermes cinereus (Isoptera)
TRITICUM:
Glycyphagus domesticus (Acarina)
Limothrips denticornis (Thysanoptera)
Trogoderma boron (Coleoptera)
TRITONIA:
Taeniothrips atratus (Thysanoptera)
VANDA:
Amorbia emigratella (Lepidoptera)
Bradybaena similaris (Mollusca)
Clerada apicicornis (Hemiptera)
Deroceras reticulatum (Mollusca)
Nysius coenosulus (Hemiptera)
Parlatoria pseudaspidiotus (Homoptera)
Plusia chalcites (?) (Lepidoptera)
Tricentrus albomaculatus (Homoptera)
VICIA:
Apion pomonae (Coleoptera)
Bruchidius algiricus (Coleoptera)
Bruchidius incarnatus (Coleoptera)
Bruchus brachialis (Coleoptera)
Bruchus emarginatus (Coleoptera)
Bruchus luteicornis (Coleoptera)
Bruchus tristiculus (Coleoptera)
Bruchus ulicis (Coleoptera)

Hosts and Insects—Continued

VICIA—Continued
Callosobruchus maculatus (Coleoptera)
VIGNA:
Callosobruchus maculatus (Coleoptera)
VITIS:
Ceratitis capitata (?) (Diptera)
Chelymorpha varians (Coleoptera)
Naupactus xanthographus (Coleoptera)
Nezara viridula (Hemiptera)
Pantomorus godmani (Coleoptera)
Phlyctinus callosus (Coleoptera)
Polychrosis botrana (?) (Lepidoptera)
XYLOBIUM:
Vinsonia stellifera (Homoptera)
ZEA:
Frankliniella williamsi (Thysanoptera)
Moodna bisinuella (Lepidoptera)
Peregrinus maidis (Homoptera)
Trogoderma boron (Coleoptera)
ZINGIBER:
Adoretus sinicus (Coleoptera)
Taeniothrips hawaiiensis (Thysanoptera)
ZINNIA:
Homoeosoma electellum (Lepidoptera)
Microcephalothrips abdominalis (Thysanoptera)
Pheidole megacephala (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips vulgatissimus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)

Hosts Unknown

AIRPLANE:
Adoretus sinicus (Coleoptera)
Agrotis ypsilon (Lepidoptera)
Anastrepha serpentina (Diptera)
Anomala albopilosa (Coleoptera)
Anomala cuprea (Coleoptera)
Anomala orientalis (Coleoptera)
Anomala pleurimargo (Coleoptera)
Anomala schoenfeldti (Coleoptera)
Anomala sulcatula (Coleoptera)
Aphthona nanyoensis (Coleoptera)
Arcte caerulea (Lepidoptera)
Athesapeuta cyperi (Coleoptera)
Cassida circumdata (Coleoptera)
Characoma albulalis (Lepidoptera)
Chrysobothris adelpha (Coleoptera)
Colaspis suturalis (Coleoptera)
Colasposoma metallicus rugiceps (Coleoptera)
Coptotermes formosanus (Isoptera)
Cosmopsaltris fuliginosa (Homoptera)
Dacus cucurbitae (Diptera)
Dacus dorsalis (Diptera)
Gnaphalocrocis medinalis (Lepidoptera)
Hyalopeplus pellucidus (Hemiptera)
Hypocala deflorata (Lepidoptera)
Kalotermes jouteli (Isoptera)
Monalocorisca granulata (Hemiptera)
Mormidea pictiventris (Hemiptera)
Nephotettix apicalis (Homoptera)
Nezara viridula (Hemiptera)
Nomophila noctuella (Leipdoptera)
Nysius californicus (Hemiptera)
Nysius coenosulus (Hemiptera)
Nysius terrestris (Hemiptera)
Paragonatas divergens (Hemiptera)
Peridroma margaritosa (Lepidoptera)
Perkinsiella saccharicida (Homoptera)
Perkinsiella vitiensis (Homoptera)
Petrochroa dimorpha (Lepidoptera)
Physonota attenuata (Coleoptera)
Schoenobius incertulas (Lepidoptera)
Sidemia deparvata (?) (Lepidoptera)
Spodoptera mauritia (Lepidoptera)
Stictoptera signifera (Lepidoptera)
Sybra alternans (Coleoptera)
Typocerus zebrata (Coleoptera)
BAGGAGE:
Adoretus sinicus (Coleoptera)
Diaprepes famelicus var. (Coleoptera)
Diocalandra taitensis (Coleoptera)
Nysius raphanus (Hemiptera)
Pantomorus godmani (Coleoptera)
Pieris brassicae (Lepidoptera)
BEAN:
Bruchus tristis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
ON BOX CONTAINING RHODODENDRON INDICUM PLANTS:
Brachyrhinus ovatus (Coleoptera)
BOX CAR:
Oxyrylius ruginasus (Coleoptera)
WITH BROMELIAD AND ORCHID PLANTS:
Phelypera distigma (Coleoptera)
BURLAP BAGGING:
Trogoderma granarium (Coleoptera)
WITH CYPERUS SP. AND LYCOPODIUM SP.
Athesapeuta cyperi (Coleoptera)
FERN:
Zonitoides arboreus (Mollusca)
FLOWER SEED:
Sitona lineata (Coleoptera)
FLOWERS:
Adoretus sinicus (Coleoptera)
Cnephasia vigaureana (Lepidoptera)
Haplothrips gowdeyi (?) (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Nysius raphanus (Hemiptera)
Opogona purpuriella (Lepidoptera)
Oxydema fusiforme (Coleoptera)
Pantomorus godmani (Coleoptera)
Phlegyas annulicrus (Hemiptera)
Protopulvinaria pyriformis (Homoptera)
Psylla rhododendri (Homoptera)
Taeniothrips atratus (Thysanoptera)
Taeinothrips dianthi (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
FOREST LITTER PACKING:
Brachyrhinus singularis (Coleoptera)
GRAIN—MIXED:
Trogoderma boron (Coleoptera)
Trogoderma granarium (Coleoptera)
GRASS AND WOOD:
Haplothrips gowdeyi (Thysanoptera)
LEAF:
Aleurothrixus floccosus (Homoptera)
Aulacaspis mangiferae (Homoptera)
Exptochiomera confusa (Hemiptera)
Hypsopygia costalis (Lepidoptera)
Vinsonia stellifera (Homoptera)
LEGUME SEED:
Caryedon fuscus (Coleoptera)
Mimosestes sallaei (Coleoptera)
MAIL PACKAGE:
Cryptotermes brevis (Isoptera)
"MANDADO" BIN:
Trogoderma sternale (Coleoptera)
MILITARY CARGO:
Theba pisana (Mollusca)
PACKING:
Heilipus ocellatus (Coleoptera)
Iridomyrmex iniquus (Hymenoptera)
Metopoplax ditomoides (Hemiptera)
PERSONAL EFFECTS:
Adoretus sinicus (Coleoptera)
Cryptotermes brevis (Isoptera)
Epilachna philippinensis (Coleoptera)
Oxydema fusiforme (Coleoptera)
Oxyrylius ruginasus (Coleoptera)
Reticulitermes virginicus (Isoptera)
PLANTS:
Brachyrhinus ovatus (Coleoptera)
Caulophilus latinasus (Coleoptera)
Cryptophlebia illepida (Lepidoptera)
Deroceras reticulatum (Mollusca)
Limax marginatus (Mollusca)
Nezara viridula (Hemiptera)
Thrips angusticeps (Thysanoptera)
Udea rubigalis (Lepidoptera)
TREE SEED:
Caryedon fuscus (Coleoptera)
WEED:
Platynota nigrocervina (Lepidoptera)
WOOD:
Coptotermes niger (Isoptera)
Heterobostrychus aequalis (Coleoptera)
Heterobostrychus brunneus (Coleoptera)
Leperisinus fraxini (Coleoptera)
Lyctus africanus (Coleoptera)
Molorchus minor (Coleoptera)
Nasutitermes nigriceps (Isoptera)
Pheidole megacephala (Hymenoptera)
Sinoxylon conigerum (Coleoptera)
WRAPPING:
Listroderes costirostris obliquus (Coleoptera)
Oxydema fusiforme (Coleoptera)
Pantomorus godmani (Coleoptera)
Sitona lineata (Coleoptera)
Trogoderma ornatum (Coleoptera)

Countries of Origin and Insects

ALGERIA:
Ceratitis capitata
ANGLO-EGYPTIAN SUDAN:
Pectinophora gossypiella
ANGUILLA:
Ancylostomia stercorea
Pheidole megacephala
"Targionia" hartii
ANTIGUA:
Ancylostomia stercorea
Monomorium destructor
"Targionia" sacchari
ARGENTINA:
Anastrepha fraterculus (?)
Nezara viridula
Tetranychus telarius
AUSTRALIA:
Callosobruchus phaseoli
Haplothrips gowdeyi
Lepidosaphes tuberculata
Microcephalothrips abdominalis
Ozycarenus bicolor
Plautia fimbriata
Trogoderma granarium
Unaspis citri
AZORES:
Apion pomonae
Bruchus luteicornis
Bruchus tristiculus
Caryedon fuscus
Ceratitis capitata
Glycyphagus domesticus
Limax marginatus
Rhagoletis cerasi
"Targionia" bromiliae
BAHAMAS:
Ancylostomia stercorea
Callosobruchus maculatus
Coccus viridis
Eucalymnatus tessellatus
Fundella pellucens
Protopulvinaria pyriformis
Pulvinaria psidii
Vinsonia stellifera
BARBADOS:
Anastrepha mombinpraeoptans
Frankliniella tritici
Haplothrips gowdeyi
Microcephalothrips abdominalis
Vinsonia stellifera
BELGIAN CONGO:
Pheidole megacephala
BELGIUM:
Brachyrhinus ovatus
Evergestis forficalis
Frankliniella tenuicornis
Leperisinus frazini
Limothrips cerealium
Megastigmus rafni
Periphyllus californiensis
Phytomyza rufipes
Stenecotarsonemus laticeps
BERMUDA:
Agrotis ypsilon
Bradybaena similaris
Diaprepes famelicus var.
Frankliniella bispinosa
Haplothrips goudeyi
Homoeosoma electellum
Iridomyrmex humilis
Pheidole megacephala
Prodenia eridania
Pseudococcus boninsis
Taeniothrips gracilis
BRAZIL:
Anastrepha fraterculus
Asterolecanium epidendri
Bradybaena similaris
Callosobruchus maculatus
Ceratitis capitata
Deroceras reticulatum
Eurytoma orchidearum
Galgupha quadrisignata
Heilipus ocellatus
Hymenia perspectalis
Parlatoria cinerea
Pectinophora gossypiella
Stephanoderes hampei
BRITISH EAST AFRICA:
Ceratitis capitata
BRITISH GUIANA:
Euscepes postfasciatus
BRITISH HONDURAS:
Anastrepha striata
Cryphula apicatus
Diorymerellus laevimargo
Heraeus guttatus
Pseudischnaspis alienus
"Targionia" hartii
Valtissius diversus
BRITISH WEST INDIES:
Myelois ceratoniae
"Targionia" hartii
Thrips flavus
BURMA:
Bruchus emarginatus
CANADA:
Trialeurodes vaporariorum
Tyrophagus infestans
CANAL ZONE:
Cephalodonta callosa
Chrysomphalus personatus
Chrysomphalus umboniferus
Furcaspis biformis
Lepidosaphes tokionis
Leucaspis cockerelli
Listroderes costirostris obliquus
Macropygium reticulare
Phelypera distigma
Pinnaspis buxi
Tenthecoris distinguendus
Vinsonia stellifera
CANARY ISLANDS:
Ceratitis capitata
CAPE VERDE ISLANDS:
Callosobruchus maculatus
Caryedon fuscus
Ceratitis capitata
CENTRAL AMERICA:
Coccus viridis
CEYLON:
Stephanoderes hampei
CHILE:
Chelymorpha varians
Eulia auraria
Frankliniella cestrum
Naupactus xanthographus
Pantomorus godmani
Pseudococcus gahani
Tetranychus telarius
CHINA:
Callosobruchus maculatus
Cylas formicarius ssp.
Pheidole megacephala
Trogoderma granarium
Unaspis yanonensis
COLOMBIA:
Adetus mucoreus
Aspidiotus destructor
Cerconota anonella
Deroceras reticulatum
Dysdercus rusticus
Furcaspis biformis
Platypus rugulosus
Protopulvinaria pyriformis
Stenoma catenifer
Unaspis citri
COSTA RICA:
Anastrepha mombinpraeoptans
Anastrepha striata
Asterolecanium epidendri
Chrysomphalus umboniferus
Eurytoma orchidearum
Furcaspis biformis
Galgupha punctifer
Limax marginatus
Metamasius sericeus
Pseudischnaspis alienus
Tenthecoris confusus
Tozotrypana curvicauda
Vinsonia stellifera

Countries of Origin and Insects—Continued

CUBA:
Aleurothrixus floccosus
Anastrepha mombinpraeoptans
Coccus viridis
Crocidosema plebeiana
Cylas formicarius elegantulus
Eucalymnatus tessellatus
Furcaspis biformis
Heterobostrychus aequalis
Kalotermes jouteli
Mormidea pictiventris
Pachyzancla perusalis
Paromius longulus
Pheidole megacephala
Protopulvinaria pyriformis
Reticulitermes virginicus
Ribua innoxia
Unaspis citri
Vinsonia stellifera
CURACAO:
Vinsonia stellifera
DENMARK:
Deroceras reticulatum
Phytomyza rufipes
Taeniothrips atratus
Thrips fuscipennis
Tyrophagus infestans
DOMINICA:
Anastrepha mombinpraeoptans
DOMINICAN REPUBLIC:
Agroiconota propinqua
Coccus viridis
Cylas formicarius elegantulus
Exptochiomera oblonga
Furcaspis biformis
Haplothrips govdeyi
Pectinophora gossypiella
Sinoxylon conigerum
Tyrophagus infestans
Unaspis citri
Vinsonia stellifera
ECUADOR:
Asterolecanium epidendri
Epilachna paenulata
Franklinella williamsi
Laspeyresia leguminis
Metamasius sericeus
Stenoma catenifer
EGYPT:
Bruchidius algiricus
Ceratitis capitata
Gnorimoschema ocellatella
Spermophagus cardui
Thrips nigropilosus
Tyrophagus infestans
ENGLAND:
Anuraphis tulipae
Bregmatothrips iridis
Cnephasia longana
Cnephasia vigaureana
Crioceris asparagi
Deroceras reticulatum
Dialeurodes chittendeni
Ernobius mollis
Evergestis forficalis
Glycyphagus domesticus
Laspeyresia nigricana
Laspeyresia splendana
Limothrips cerealium
Limothrips denticornis
Liothrips vaneeckei
Neuroterus numismalis
Phytomyza atricornis
Phytomyza rufipes
Silona lineata
Taeniothrips atratus
Taeniothrips ericae
Taeniothrips picipes
Thrips flavus
Thrips fuscipennis
Thrips major
Thrips nigropilosus
ENGLAND (?):
Tetranychus telarius
FIJI ISLANDS:
Dacus passiflorae (?)
Leucaspis cockerelli
Perkinsiella vitiensis
FORMOSA:
Oligonychus perditus
Parlatoria zizyphus
Scotinophara lurida
Trogoderma granarium
FRANCE:
Acanthoscelides spinipes
Acrolepia assectella
Bruchus brachialis
Bruchus lentis
Ceratitis capitata
Dactylotrypes uyttenboogaarti
Gnorimoschema ocellatella
Grapholitha molesta
Haplothrips cottei
Laspeyresia splendana
Limothrips cerealium
Parlatoria zizyphus
Polychrosis botrana (?)
Pyrausta nubilalis
Rhagoletis cerasi
Taeniothrips atratus
Tetranychus telarius
FRANCE (?):
Hypera postica
GERMANY:
Bruchidius incarnatus
Bruchus luteicornis
Frankliniella intonsa
Glycyphagus domesticus
Limax marginatus
Limothrips cerealium
Limothrips denticornis
Phytomyza rufipes
Pieris brassicae
Rhagoletis cerasi (?)
Silona lineata
Taeniothrips atratus
Taeniothrips ericae
Tetranychus telarius
Thrips flavus
Thrips fuscipennis
Thrips major
Tyrophagus infestans
GERMANY (?):
Frankliniella intonsa
GIBRALTAR:
Theba pisana
GRAND CAYMAN:
Heterotermes aureus
GREECE:
Barbara tessulatana
Bruchus tristis
Ceratitis capitata
Curculio elephas
Dacus oleae
Haplothrips cottei
Myelois ceratoniae
Tetranychus telarius
GRENADA:
Euscepes postfasciatus
GUAM:
Aonidiella inornata
Cassida circumdata
Diocalandra taitensis
Epilachna philippinensis
Oxycarenus bicolor
GUATEMALA:
Anastrepha distincta (?)
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Aspidiotus destructor
Furcaspis biformis
Iridomyrmex iniquus
Metamasius sericeus
Paromius longulus
Puto ulter
Stenoma catenifer
Talponia batesi
Tenthecoris bicolor
Vinsonia stellifera

Countries of Origin and Insects—Continued

HAITI:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Diaprepes abbreviata
Pheidole megacephala
Trogozylon aequale
Vinsonia stellifera
HAWAII:
Achatina fulica
Adoretus sinicus
Amorbia emigratella
Araecerus vieillardi
Athesapeuta cyperi
Bradybaena similaris
Cassida circumdata
Ceratitis capitata
Ceroplastes rubens
Chlorophorus annularis
Clerada apicicornis
Coccus viridis
Cryptophlebia illepida
Cryptotermes brevis
Dacus cucurbitae
Dacus dorsalis
Deroceras reticulatum
Dialeurodes kirkaldyi (?)
Diocalandra taitensis
Ereunetis flavistriata
Euscepes postfasciatus
Frankliniella sulphurea
Haplothrips govdeyi
Hyalopeplus pellucidus
Iridomyrmex humilis
Kalotermes immigrans
Lamellaxis gracilis
Lampides boeticus
Lepidosaphes tokionis
Listroderes costirostris obliquus
Maruca testulalis
Megacerus alternatus
Mimosestes sallaei
Monomorium destructor
Nysius coenosulus
Nysius terrestris
Opogona purpuriella
Orchidophilus peregrinator
Oxydema fusiforme
Pantomorus godmani
Parlatoria crotonis
Parlatoria pseudaspidiotus
Parthenothrips dracaenae
Pealius hibisci
Pectinophora gossypiella
Pectinophora scutigera
Pentalonia nigronervosa
Perkinsiella saccharicida
Pheidole megacephala
Phenacaspis sandwicensis
Pinnaspis buxi
Plusia chalcites (?)
Pseudococcus palmarum
Pulvinaria psidii
Spodoptera mauritia
Stator limbatus
Stator pruininus
Sternochetus mangiferae
Sybra alternans
Taeniothrips alliorum
Taeniothrips hawaiiensis
Taeniothrips vitticornis
Tarophagus proserpina
Tricentrus albomaculatus
Trogoderma ornatum
Xyleborus semigranosus
Zonitoides arboreus
HONDURAS:
Anastrepha mombinpraeoptans
Chrysomphalus umboniferus
Diorymerellus laevimargo
Metamasius sericeus
Polytus mellerborgii
ICELAND:
Oxychilus allarius
Taeniothrips atratus
Thrips flavus
INDIA:
Bruchophagus mellipes
Callosobruchus maculatus
Caryedon fuscus
Cylas formicarius formicarius
Heterobostrychus aequalis
Lyctus africanus
Odontotermes wallonensis
Trogoderma granarium
INDO-CHINA:
Parlatoria zizyphus
INDONESIA:
Tenuipalpus pacificus
IRAN:
Bruchidius picipes
Bruchophagus glycyrrhizae
Bruchophagus onobrychidis
Bruchus brachialis
Bruchus emarginatus
Bruchus tristis
Bruchus ulicis
Callosobruchus maculatus
Macroplax fasciata
Orsillus depressus
IRELAND:
Limothrips cerealium
Phytomyza rufipes
Thrips fuscipennis
Tyrophagus infestans
ISLAND OF RHODES:
Ceratitis capitata
ISRAEL:
Bruchophagus ononis
Ceratitis capitata
Cryptoblabes gnidiella
Parlatoria zizyphus
Rhagoletis cerasi
ITALY:
"Acanthosecelides" spinzye
Brachycerus albidentatus
Brachycerus algirus
Bruchophagus coluteae
Bruchus ervi
Bruchus lentis
Bruchus signaticornis
Bruchus tristis
Cacoecia pronubana (?)
Callosobruchus maculatus
Ceratitis capitata
Cryptoblabes gnidiella
Curculio elephas
Curculio nucum
Dacus oleae
Dyspessa ulula
Frankliniella intonsa
Frankliniella tenuicornis
Galerucella xanthomelaena
Glycyphagus domesticus
Laspeyresia splendana
Liliioceris lilii
Limax flavus
Limothrips denticornis
Milax gagates
Mimosetes sallaei
Myelois ceratoniae
Nemapogon granella
Parlatoria zizyphus
Pectinophora gossypiella
Pyrausta nubilalis
Phytomyza rufipes
Porthetria dispar
Psylliodes chrysocephala
Rhagoletis cerasi
Sesamia cretica
Sinozylon sexdentatum
Sparteus villosus
Thrips angusticeps
Thrips flavus
Trialeurodes lauri
Tyrophagus infestans
JAMAICA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Asterolecanium epidendri
Callosobruchus maculatus
Furcaspis biformis

Countries of Origin and Insects—Continued

JAMAICA—Continued
Iridomyrmex iniquus
Mimosestes sallaei
Vinsonia stellifera
JAPAN:
Adoretus sinicus
Anomala albopilosa
Anomala cuprea
Anomala orientalis
Anomala pleurimargo
Anomala schoenfeldti
Anomala sulcatula
Anthonomus rectirostris
Brevipalpus inoratus
Bruchidius dorsalis
Callosobruchus maculatus
Carposina sasakii
Ceroplastes rubens
Chilo suppressalis
Chrysomphalus bifasciculatus
Colasposoma metallicus rugiceps
Coptotermes formosanus
Dialeurodes citri
Dichocrocis punctiferalis
Euetheola rugiceps
Frankliniella formosae
Gracilaria azaleella
Grapholitha molesta
Haplothrips aculeatus
Haplothrips gowdeyi
Hypocala deflorata
Hypsopygia costalis
Lampides boeticus
Lepidosaphes conchiformis
Lepidosaphes tuberculata
Liothrips vaneeckei
Listroderes costirostris obliquus
Maruca testulalis
Microcephalothrips abdominalis
Nomophila noctuella
Parlatoria zizyphus
Pinnaspis uniloba
Pseudococcus comstocki
Pseudococcus matsumotoi
Pulvinaris aurantii
Pyrausta nubilalis
Schoenobius incertulas
Sidemia deparvata (?)
Stictoptera signifera
Taeniothrips hawaiiensis
Tetranychus cinnabarinus
Tetranychus telarius
Typocerus zebrata
Unaspis citri
Unaspis yanonensis
Zonitoides arboreus
JAPAN (?):
Arcte caerulea
JOST VAN DYKES:
Anastrepha mombinpraeoptans
KENYA:
Sternochetus mangiferae
KWAJALEIN:
Furcaspis oceanica
KWAJALEIN (?):
Characoma albulalis
LEBANON:
Bruchus lentis
Ceratitis capitata
Curculio elephas
Dacus oleae
Tetranychus cinnabarinus
LIBERIA:
Lyctus africanus
LIBYA:
Bruchus lentis
Ceratitis capitata
MADEIRA ISLANDS:
Apion pomonae
Deroceras reticulatum
MEXICO:
Aleurocanthus woglumi
Alpheias conspirata
Alypiodes geronimo
Amorbia emigratella
Anaphothrips orchidaceus
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpintena
Anastrepha striata
Anchastus flavovittatus
Anthonomus ruficollis
Aphanus umbrosus
Apion griseum
Aspidiotus destructor
Aspidiotus herculeanus
Asterolecanium pustulans
Aufeius impressicollis
Blissus leucopterus
Callosobruchus maculatus
Calyptocephala gerstaeckeri
Caulophilus latinasus
Chaetocnema ectypa
Chalcodermus dentiferus
Charidotis seminulum
Chilo loftini
Chrysomphalus odontogloss
Chrysomphalus personatus
Clerada apicicornis
Colaspis suturalis
Conotrachelus aguacatae
Crophius dirupta
Cryphula apicatus
Ctenochira aspersa
Cylas formicarius elegantulus
Deloyala guttata
Deloyala leconteí
Dendrocoris variegatus
Deroceras reticulatum
Diorymerellus laevimargo
Epicaerus fallax
Epinotia aporema
Eucalymnatus tesselatus
Euetheola bidentata
Euschistus comptus
Everes comyntas
Exptochiomera confusa
Exptochiomera formosa
Farinococcus guatemalensis
Ferrisia virgata
Franklinella occidentalis
Galgupha texana
Gnorimoschema gudmannella
Haplothrips cottei
Heilipus lauri
Heliothis subflexa
Helix aspersa
Homoeosoma electellum
Hyperparachma rhodalis
Ligyrocoris nitidicollis
Limax marginatus
Loxostege similalis
Lygaeus pusio
Metamasius sericeus
Metriona crucipennis
Micrapate mexicana
Monalocorisca granulata
Monanthia monotropidia
Moodna bisinuella
Mormidea pictiventris
Neoleucon rubrotylus
Neuroctenus litigiosus
Nezara viridula
Nysius californicus
Nysius raphanus
Oedionychis atroguttata
Oedionychis pavonina
Ogdoecosta biannularis
Oxygrylius ruginasus
Paragonatas divergens
Parlatoria cinerea
Parlatoria crotonis
Paromius longulus
Pectinophora gossypiella
Phelypera distigma
Philaspis bivulnerata
Phlegyas annulicrus
Physonota attenuata
Physonata citrinella
Physonota picticollis
Plagiodera congesta
Plagiodera semivittata

MEXICO—Continued
Plagiodera thymaloides
Plagiometriona diversicollis
Platynota nigrocervina
Platynota rostrana
Praeblissus albofasciatus
Prodenia eridania
Prodenia ornithogalli
Pseudischnaspis alienus
Pseudischnaspis longissima
Pseudodiaspis yuccae
Pyroderces stigmatophora
Rejectaria pharusalis
Rhagoletis completa
Rhagoletis pomonella
Scyphophorus acupunctatus
Stenoma catenifer
Stilodes atromaculata
Taeniothrips ericae
Talponia batesi
Tanaspis weemaeli
"Targionia" bromiliae
Tenthecoris angustimarginatus
Tenthecoris bicolor
Tenthecoris confusus
Tenuirostritermes cinereus
Tetranychus atlanticus
Tetranychus cinnabarinus
Tetranychus desertorum
Thecla ziba
Trionymus sacchari
Trogoderma boron
Trogoderma ornatum
Trogoderma sternale
Udea rubigalis
Xylobiops sextuberculatus
Zonitoides arboreus
MEXICO (?):
Trogoderma sternale
MIDWAY ISLANDS:
Amorbia emigratella
Haplothrips gowdeyi
MIDWAY ISLANDS (?):
Perkinsiella saccharicida
MONTSERRAT:
Euscepes postfasciatus
MOROCCO:
Anuraphis cardui
Bouhelia maroccana
Myelois ceratoniae
Parlatoria zizyphus
Theba pisana
Thrips angusticeps
MOZAMBIQUE:
Olethreutes leucotreta
NETHERLANDS:
Acrolepia assectella
Brachyrhinus ovatus
Bregmatothrips iridis
Dialeurodes chittendeni (?)
Eriophyes canestrinii
Evergestis forficalis
Frankliniella intonsa
Haplothrips aculeatus
Limothrips cerealium
Mamestra brassicae
Phytomyza rufipes
Silona lineata
Taeniothrips atratus
Taeniothrips vulgatissimus
Thrips fuscipennis
NETHERLANDS GUIANA:
Pseudaonidia trilobitiformis
NEVIS:
"Targionia" hartii
NEW GUINEA:
Pheidole megacephala
NEW ZEALAND:
Anuraphis tulipae
Austrotortrix postvittana
NICARAGUA:
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Aulacaspis mangiferae
Coptotermes niger
Nasutitermes nigriceps
NIGERIA:
Callosobruchus maculatus
Leucinodes orbonalis
NORTH AFRICA (?):
Olethreutes leucotreta (?)
NORTHERN IRELAND:
Steneotarsonemus laticeps
NORWAY:
Argyresthia conjugella
Phytomyza rufipes
OKINAWA:
Brevipalpus inornatus
Parlatoria zizyphus
PALESTINE:
Ceratitis capitata (?)
PANAMA:
Anastrepha mombinpraeoptans
Anastrepha striata
Ancylostomia stercorea
Cosmopolites sordidus
Furcaspis biformis
Leucaspis cockerelli
Metamasius sericeus
Mecolaemus carvalhoi (?)
Pinnaspis buxi
Stenoma catenifer
Vinsonia stellifera
PERU:
Anastrepha serpentina
Deroceras reticulatum (?)
Pantomorus godmani
Tyrophagus infestans
PHILIPPINES:
Aonidiella inornata
Cosmopsaltria fuliginosa
Cylas formicarius ssp.
Dacus dorsalis
Monomorium destructor
Nephotettix apicalis
Pachybrachius neitneri
Parlatoria zizyphus
Pseudococcus kalli (tentative)
Pseudococcus saipanensis
Unaspis yanonensis
PHILIPPINES (?):
Coptotermes formosanus
PORTUGAL:
Bruchus luteicornis
Ceratitis capitata
Dacus oleae
Glycyphagus domesticus
Haplothrips cottei
Laspeyresia splendana
Limax marginatus
Limothrips cerealium
Parlatoria camelliae
Rhagoletis cerasi
Taeniothrips dianthi
Theba pisana
PUERTO RICO:
Anastrepha mombinpraeoptans
Cylas formicarius elegantulus
Furcaspis biformis
Maruca testulalis
Platynota rostrana
"Targionia" sacchari
ST. CROIX:
Pectinophora gossypiella
ST. KITTS:
Haplothrips gowdeyi
Microcephalothrips abdominalis
Selenothrips rubrocinctus
"Targionia" hartii
ST. LUCIA:
Vinsonia stellifera
ST. MARTIN:
Pseudaonidia trilobitiformis
SALVADOR:
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Aulacaspis mangiferae
Stenoma catenifer

Countries of Origin and Insects—Continued

SCOTLAND:
Brachyrhinus singularis
Frankliniella intonsa
Limothrips cerealium
Livia juncorum
Megastigmus pinuspinus
Micrelus ericae
Oxychilus allarius
Platythrips tunicatus
Taeniothrips atratus
Taeniothrips ericae
Taeniothrips vulgatissimus
Thrips flavus
Thrips fuscipennis
Thrips major
SOUTH AMERICA:
Ceratitis capitata (?)
Frankliniella schultzei
SPAIN:
Acrolepia assectella
Brachycerus algirus
Brevipalpus oudemansi
Ceratitis capitata
Curculio elephas
Frankliniella tenuicornis
Gnorimoschema ocellatella
Gortyna flavago
Laspeyresia splendana
Metopoplax ditomoides
Parlatoria zizyphus
Sitona lineata
Theba pisana
SPAIN (?):
Cryptoblabes gnidiella
STRAITS SETTLEMENTS:
Tyrophagus infestans
Vinsonia stellifera
SWEDEN:
Argyresthia conjugella
Dryocoetes autographus
Ernobius mollis
Frankliniella intonsa
Hylurgops palliatus
Limothrips denticornis
Taeniothrips atratus
Taeniothrips vulgatissimus
SWITZERLAND:
Frankliniella intonsa
Grapholitha molesta
Laspeyresia splendana
Limothrips cerealium
Molorchus minor
Psylla rhododendri
Rhagoletis cerasi
Taeniothrips ericae
Taeniothrips picipes
Thrips flavus
THAILAND:
Cylas formicarius ssp.
Cylas formicarius formicarius
Gnaphalocrocis medinalis
Parlatoria zizyphus
TORTOLA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aspidiotus destructor
Coccus viridis
Cylas formicarius elegantulus
Frankliniella williamsi
Haplothrips gowdeyi
Nezara viridula
Peregrinus maidis
"Targionia" hartii
TRINIDAD:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Asterolecanium epidendri
Microcephalothris abdominalis
Monomorium destructor
Protopulvinaria pyriformis
Pseudaonidia trilobitiformis
Vinsonia stellifera
TURKEY:
Bruchidius gilvus
UNION OF SOUTH AFRICA:
Aplocnemus aerosus
Bruchus lentis
Callosobruchus analis
Ceratitis capitata
Epichorista ionephala
Frankliniella schultzei
Glycyphagus domesticus
Haplothrips gowdeyi
Heterobostrychus brunneus
Ischnodemus diplopterus
Leptidiella brevipennis
Lyctus africanus
Nezara viridula
Olethreutes leucotreta
Phlyctinus callosus
UNKNOWN:
Adoretus sinicus
Anastrepha serpentina
Aphthona nanyoensis
Bruchus lentis
Cassida circumdata
Ceratitis capitata
Chrysobothris adelpha
Dacus cucurbitae
Parlatoria zizyphus
Peridroma margaritosa
Petrochroa dimorpha
Rhagoletis cerasi
Sybra alternans
Taeniothrips atratus
Taeniothrips dianthi
Taeniothrips ericae
Tetranychus telarius
Trogoderma boron
VENEZUELA:
Anastrepha fraterculus
Aulacaspis mangiferae
Bephrata maculicollis
Chrysomphalus umboniferus
Eurytoma orchidearum
Lygaeus guatemalanus
Mormidea pictiventris
Selenothrips rubrocinctus
Stenoma catenifer
WALES:
Neuroterus quercus-baccarum
WEST PACIFIC:
Nephotettix apicalis
WEST PACIFIC (?):
Dacus dorsalis
YUGOSLAVIA:
Frankliniella intonsa
Leucaspis pusilla
Systole geniculata

Pests collected and reported from July 1, 1955, through June 30, 1956

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Alternaria citri Ell. & Pierce:					
Citrus sinensis (orange)	Italy (?)	1			Pa.
Alternaria dianthi F. L. Stevens & J. G. Hall:					
Dianthus sp. (carnation)	Israel, Japan, Spain	2	1		Hawaii, Mass., N. Y.
Anthostomella keissleri Cash & Watson:					
Epidendrum sp. (orchid)	Cuba			1	Fla.
Orchid	Mexico			1	Tex.
Asperisporium caricae (Speg.) Maubl.:					
Carica papaya (papaya)	Cuba		1		Mass.
†*Asterosporium hoffmanni* Kunze:					
Fagus sp. (beech)	Austria			1	N. J.
Botryosphaeria ribis Gross. & Dug.:					
Persea americana (avocado)	Mexico	1			Tex.
†*Cercospora canescens* Ell. & G. Martin:					
Phaseolus lunatus macrocarpus (lima bean)	St. Kitts	1			St. Thomas and St. John.
‡*Cercospora citrullina* Cke.:					
Cucumis melo cantalupensis (cantaloupe)	Venezuela		1		St. Thomas and St. John.
Cercospora coffeicola Berk. & Cke.:					
Coffea sp. (coffee)	Brazil, Mexico	1		1	La., Tex.
†*Cercospora cypripedii* Ell. & Dearn.:					
Orchid	Mexico			1	Tex.
Stanhopea sp. (orchid)	do			1	Tex.
Cercospora gossypina Cke.:					
Gossypium sp. (cotton)	do	1			Tex.
Cercospora musae Zimm.:					
Musa paradisiaca sapientum (banana)	Mexico	1			Calif.*
Musa sp	Puerto Rico	1			Ill.
Cercospora neriella Sacc.:					
Nerium oleander (oleander)	Bermuda			2	N. Y.
‡*Cercospora primulae* Fautr.:					
Primula sp. (primrose)	Canada			1	Wash.
Cercospora purpurea Cke.:					
Persea americana (avocado)	Mexico	1			Calif.
Cerebella andropogonis Ces.:					
Panicum swynnertonii	Kenya			1	D. C.
Panicum sp	Rhodesia			1	D. C.
Paspalum sp	Australia			1	S. C.
Chrysomyza ledi d By. var. *rhododendri* (d By.) Savile:					
Loiseleuria procumbens (alpine azalea)	Switzerland			1	Mass.
Rhododendron fauriei	Japan			1	D. C.
Rhododendron ferrugineum	Switzerland	8		2	Calif.*, N. J., N. Y., Oreg.
Rhododendron hirsutum	do	2			N. J.
Rhododendron sp	do	1			Mich.
Cladosporium oryzae Sacc. & Syd.:					
Oryza sativa (rice)	Japan	1			Calif.*
Colletotrichum arecae Syd.:					
Areca catheeu (betel palm)	Guam	3			Hawaii, Tex.
‡*Colletotrichum cliviae* (Oud.) Petrak:					
Clivia sp	Belgium			1	N. J.
Colletotrichum dieffenbachiae Verpl. & Van den Broecke:					
Dieffenbachia sp	Mexico			1	Tex.
†*Colletotrichum dracaenae* Allesch.:					
Dracaena sanderiana	Trinidad			1	P. R.
†*Colletotrichum graminicola* (Ces.) G. W. Wils.:					
Triticum aestivum (wheat)	Brazil		1		P. R.
Colletotrichum trichellum Duke:					
Hedera helix (English ivy)	Germany			1	N. Y.
†*Colletotrichum zingiberis* Butler & Bisby:					
Zingiber officinale (ginger)	China	1			Calif.*
Coniothyrium cytisellum (Pass. & Thuem.) Sacc.:					
Laburnum watereri	Netherlands			7	N. J.
Coniothyrium pirinum (Sacc.) Sheldon:					
Malus sylvestris (apple)	Mexico, †New Zealand	2			N. Y., Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Cumminsiella sanguinea (Pk.) Arth.:					
Mahonia aquifolium moseri	Netherlands	----	----	1	N. J.
Mahonia aquifolium vicari	do	----	----	1	N. J.
Curvularia lunata (Wakk.) Boed.:					
Ananas comosus (pineapple)	Mexico	1	----	----	Tex.
Cucumis sativus (cucumber)	do	1	----	----	Tex.
Eurycles sylvestris	Philippines	----	----	1	Calif.*
Cylindrocarpon mali (Allesch.) Wr.:					
Malus sylvestris (apple)	Netherlands, New Zealand	----	2	----	Pa.
‡Daphne mosaic virus:					
Daphne spp.	England	----	----	1	N. J.
Dendryphium obstipum F. Pollack:					
Colocasia esculenta (dasheen)	China	1	----	----	Calif.*
†*Diaporthe citri* (Fawc.) Wolf:					
Citrus paradisi (grapefruit)	Ecuador	----	1	----	Tex.
Diaporthe eres Nits.:					
Wisteria sinensis alba (white Chinese wisteria)	Netherlands	----	----	1	N. J.
‡*Didymosphaeria opulenta* (de N.) Sacc.:					
Pachycereus marginatus (organpipe cactus)	Mexico	----	----	1	Ariz.
‡*Diplodia circinans* Ell. & Ev.:					
Yucca elephantipes (bulbstem yucca)	do	----	----	1	Ariz.
Diplodina eurhododendri Voss:					
Rhododendron laetevirens	Netherlands	----	----	1	N. J.
Rhododendron sp.	do	----	----	1	N. J.
Discosia artocreas Fr.:					
Paeonia suffruticosa (tree peony)	Japan	----	----	3	Calif.*
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (sour lime)	Brazil	----	1	----	Mass.
Citrus limon (lemon)	Argentina, Brazil	----	15	----	Calif.*, La., Md., Mass., N. Y., Pa., Tex.
Citrus paradisi (grapefruit)	Brazil	----	2	----	N. Y., Pa.
Citrus reticulata (Mandarin orange)	Argentina, Brazil	1	1	----	La., N. Y.
Citrus sinensis (orange)	Argentina, Brazil, unknown	2	52	----	Ala., Calif.*, La., Md., Mass., N.Y. Pa., P. R., St. Thomas and St. John, Tex.
Elsinoe fawcetti Bitanc. & Jenkins:					
Citrus aurantifolia (sour lime)	Philippines	1	----	----	Wash.
Elsinoe mangiferae Bitanc. & Jenkins:					
Mangifera indica (mango)	Mexico	2	----	----	Tex.
Entyloma oryzae Syd. & P. Syd.:					
Oryza sativa (rice)	India	1	----	----	Ill.
†*Erysiphe polygoni* DC.:					
Pisum sp.	Peru	----	1	----	Calif.*
Eudarluca australis Speg.:					
Chrysanthemum sp.	Japan	1	----	----	Hawaii.
‡*Fusarium oxysporum* Schlect. f. *nicotianae* (J. Johnson) Snyd. & Hanson:					
Nicotiana tabacum (tobacco)	Dominican Republic	----	----	1	P. R.
Fusicladium pirinum (Lib.) Fckl.:					
Pyrus communis (pear)	France	----	1	----	St. Thomas and St. John.
Pyrus sp.	Australia	1	----	----	Hawaii.
Gloeosporium elasticum (Thuem.) Cke. & Mass.:					
Ficus elastica (India rubbertree)	Mexico	----	----	1	Tex.
†*Gloeosporium limetticolum* Clausen:					
Citrus aurantifolia (sour lime)	Ecuador	----	1	----	Wash.
†*Gloeosporium mangiferae* Del.:					
Mangifera indica (mango)	Philippines	1	----	----	Hawaii.
Gloeosporium olivarum Alm.:					
Olea europaea (olive)	Italy	1	----	----	N. Y.
†*Guignardia traversi* Cav.:					
Stanhopea sp. (orchid)	Canal Zone	----	----	1	Hawaii.
Gymnosporangium clavipes Cke. & Pk.:					
Crataegus oxyacantha (English hawthorn)	Netherlands	----	----	1	N. J.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Gymnosporangium haraeanum Syd.:					
Juniperus chinensis (Chinese juniper)	Japan			1	Hawaii.
Gymnosporangium juniperi Lk. (?):					
Sorbus aucuparia (European mountain-ash)	Sweden			1	N. J.
‡*Helicotylenchus nannus* Steiner:					
Cactus plant	Italy			1	N. Y.
Oreocereus trollii (cactus)	Canada			1	N. J.
Portulaca grandiflora (portulaca)	Mexico			1	Tex.
Soil	Bermuda		1		Fla.*
‡*Hendersonia coffeae* Del.:					
Coffea sp. (coffee)	Mexico	1			Calif.*
Hendersonia epidendri Keissl.:					
Epidendrum nervosum (orchid)	do			1	Fla.
Orchid	Guatemala			1	Tex.
†*Hendersonia importata* Allesch.:					
Oncidium sp. (orchid)	Mexico			1	Tex.
‡*Hendersonia yuccae* Kickx:					
Yucca sp	do			1	Ariz.
Heterodera avenae Eidam:					
Soil	England	2			Ala.
Soil with artichoke roots	Italy	1			N. Y.
Soil with automobiles	Denmark, England, Germany.	10			N. Y.
Soil with bagging	Belgium	1			Mass.
Soil with bay tree	Italy			1	N. Y.
Soil with dried seed beans	†Brazil			1	N. Y.
Soil with fig tree	Italy			1	N. Y.
Soil with fig and olive trees	do			1	N. Y.
Soil with fuchsia plant	†Austria			1	N. Y.
Soil with garlic	Italy	3			N. Y.
Soil with ivy plants	Germany			2	N. Y.
Soil with oleander plant	Austria			1	N. Y.
Soil with onions	Italy	1			N. Y.
Soil with unknown plant	Germany				N. Y.
Soil with portulaca plant	Italy			1	N. Y.
Soil with rose plant	Greece			1	N. Y.
Soil with snails	Tunisia	1			N. Y.
Soil with strawberry roots	Germany			1	N. J.
Soil with tuberose bulb	Israel			1	N. Y.
Soil with tulip bulb	Spain			1	N. Y.
Heterodera cacti Filip. & Schurr. Stek.:					
Soil	Mexico	2			Tex.
Soil with anthurium roots	do			1	Tex.
Soil with begonia plants	do	1			Tex.
Soil with bougainvillea cuttings	do	1			Tex.
Soil with cacti plants	Algeria, Canada, England, Germany, Italy, Japan, Mexico.	4		32	Ariz., N. J., Tex.
Soil with cacti and succulent roots	England			1	N. J.
Soil with *Echeveria* sp. (?)	Mexico	1			Tex.
Soil with geranium plants	do			1	Tex.
Soil with *Gymnocalycium* sp. roots	Canada			2	N. J.
Soil with *Mammillaria elegans* var. roots	Canada (?)			1	N. J.
Soil with *Mammillaria* spp. roots	Argentina			1	Calif.*
Soil with mint plants	Mexico			1	Ariz.
Soil with *Opuntia microdasys* roots	Canada			1	N. J.
Soil with unknown plants	Mexico	4		7	Ariz., Tex.
Soil with potatoes	do		2		Tex.
Soil with resurrection and cacti plants	do	1			Tex.
Soil sweepings from box car	do		1		Tex.
‡*Heterodera cruciferae* Franklin (?):					
Soil with lily bulbs	Japan			1	N. Y.
‡*Heterodera fici* Kirjanova:					
Soil with fig roots	Italy	2		2	N. J., N. Y.
Soil with fig and carnation plants	do			1	Ill.
Soil with fig and grape cuttings	Portugal			1	N. Y.
Soil with India rubbertree roots	Germany			1	N. Y.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Heterodera fici Kirjanova (?):					
Soil with tree roots—probably *Citrus* sp.	Argentina			1	Fla.
Heterodera humuli Filip.:					
Soil with hop roots	Switzerland			2	N. J.
Heterodera punctata Thorne:					
Soil	Ireland	1			Mass.
Soil ballast	Iceland		1		N. Y.
Soil with automobiles	England, Germany, Ireland	9			N. Y., Pa.
Soil with cyclamen plant	England			1	N. Y.
Soil with dahlia tubers	Italy			1	N. Y.
Soil with fern and philodendron plants	Mexico			1	Ariz.
Soil on flat car	do		1		Tex.
Soil with *Galanthus* sp. bulbs	Germany			1	N. J.
Soil with geranium plants	Netherlands			1	N. Y.
Soil with gladiolus corms	Ireland			1	N. Y.
Soil with horseradish	Germany	1			N. Y.
Soil with ivy plants	do			1	N. Y.
Soil with myrtle plant	do			1	N. Y.
Soil with narcissus bulbs	do			1	N. Y.
Soil with unidentified plants	Austria, Germany, Mexico, Sweden, Switzerland.			6	N. Y., Pa., Tex.
Soil with primrose plant	England			1	N. Y.
Soil with shamrock plant	Ireland	1			D. C.
Heterodera rostochiensis Wr.:					
Soil with acacia tree	Mexico			1	Tex.
Soil with anthurium cuttings	do			2	Tex.
Soil with automobiles	England, Ireland	2			N. Y.
Soil with beech cuttings and potato tubers	England			1	N. J.
Soil with carnation, geranium, begonia, and clover plants	Germany			1	N. Y.
Soil with celery	England		1		Wash.
Soil with echeveria (?)	Mexico	1			Tex.
Soil with garlic	Argentina, Peru	4			N. Y.
Soil with geranium plants	Unknown			1	N. Y.
Soil with heather plants	Scotland			1	N. Y.
Soil with lily-of-the-valley pips	England, Germany			2	Calif.*, N. J.
Soil with maidenhair fern	England			1	N. Y.
Soil with narcissus bulbs	do			1	Md.
Soil with pine seedlings	Germany			1	N. Y.
Soil with an unknown plant	Mexico			1	Tex.
Soil with potatoes	Argentina, England, Peru		4		La., Md., N. Y., Tex.
‡*Lembosia cactorum* Tracy & Earle (?):					
Cactus	Mexico			1	Ariz.
"Leprosis":					
Citrus limon (lemon)	do		1		Calif.*
Citrus paradisi (grapefruit)	do	2			Tex.
Citrus reticulata (Mandarin orange)	do	1			Tex.
Citrus sinensis (orange)	do	2			Ariz., Calif.*
‡*Leptosphaeria niessleana* Rabh (?):					
Orchid	do			1	Ariz.
Leptosphaeria ruscі Sacc.:					
Ruscus sp. (butchersbroom)	Italy	4			Pa.
Lophodermium pinastri (Fr.) Chev.:					
Pinus sp. (pine)	Scotland	1			Hawaii.
Lophodermium pinastri (Fr.) Chev. (?):					
Pinus sp. (pine)	Mexico	1			Tex.
†*Macrophoma araucariae* De Lac.:					
Araucaria excelsa (Norfolk-Island-pine)	Spain			1	Calif.*
Macrophoma musae (Cke.) Berl. & Vogl.:					
Musa paradisiaca sapientum (banana)	Mexico	1			Calif.*
Musa sp.	Japan		1		Hawaii.
‡*Marssonina fragariae* (Sacc.) Kleb.:					
Fragaria sp. (strawberry)	Germany			1	Mich.
†*Marssonina rosae* (Lib.) Lind.:					
Rosa sp.	Mexico			1	Tex.
†*Melampsoridium betulinum* (Pers.) Kleb.:					
Betula pendula youngi	Canada			1	Wash.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Melanospora zamiae Cda.:					
Nicotiana tabacum (tobacco)	Dominican Republic			1	P. R.
Zingiber officinale (ginger)	China	2	1		Calif.*
‡*Meliolina haplochaeta* Syd.:					
Metrosideros vilosa	Hawaii	1			Hawaii.
Meloidogyne arenaria (Neal) Chitwood:					
Alocasia sp	Mexico			1	Tex.
Alstonia constricta	†Australia			1	Calif.*
Cacti	†Canada			1	N. J.
Caladium candidum	†Guatemala			1	N. J.
Mammillaria wildii cristata (cactus)	Canada			1	N. J.
Oreocereus trollii (cactus)	do			1	N. J.
Philodendron sp	†Hawaii			1	Hawaii.
Meloidogyne hapla Chitwood:					
Amorphophallus sp	Netherlands			1	N. J.
Begonia sp	†Brazil, Mexico			3	N. Y., Tex.
Kohleria picta	Netherlands			1	N. J.
†*Meloidogyne hapla* Chitwood (?):					
Beta vulgaris (beet)	Israel		1		Pa.
Meloidogyne incognita (Kofoid & White) Chitwood:					
Astrophytum ornatum (cactus)	†Canada			1	N. J.
Begonia sp	†Trinidad			1	N. Y.
Celosia argentes (feather cockscomb)	Mexico			1	Tex.
Daucus carota (carrot)	do	1			Tex.
Polianthes tuberosa (tuberose)	Italy			3	N. Y.
Rhododendron sp	Mexico			1	Tex.
Meloidogyne incognita (Kofoid & White) Chitwood *acrita* Chitwood:					
Alocasia sp	do			1	Tex.
Begonia sp	do			1	Tex.
Beta vulgaris (beet)	†Brazil, †Egypt, †Mexico	1	2		Pa., Tex.
Daucus carota (carrot)	Mexico	1			Tex.
Mammillaria wildii cristata (cactus)	†Canada			1	N. J.
Oreocereus trollii (cactus)	do			1	N. J.
Ornithogalum arabicum	Union of South Africa			1	N. Y.
Polianthes sp	†Syria			1	N. J.
Soil with fig roots	†Italy			1	N. Y.
Solanaceae (?)	†China			1	Wash.
Solanum tuberosum (potato)	Brazil, †Chile, †Cuba, Mexico.	1	5		N. Y., Pa.
Washingtonia sp. (palm)	Mexico			1	Tex.
Meloidogyne javanica (Treub.) Chitwood:					
Asparagus myriocladus	Japan			2	Calif.*, Wash.
Colocasia esculenta (dasheen)	†Greece	1			N. Y.
Echinocactus grandis (cactus)	†Mexico			1	Tex.
Mammillaria schiedeana (cactus)	†Canada			1	N. J.
Polianthes tuberosa (tuberose)	†Italy			5	N. Y.
Polianthes sp	do			1	N. J.
Zantedeschia aethiopica (calla lily)	France, Italy			4	N. J.
Zantedeschia sp	†Union of South Africa			1	N. J.
Monilinia fructigena (Aderh. & Ruhl.) Honey:					
Prunus domestica (plum)	France	1			Pa.
Prunus sp. (cherry)	Germany	3			Pa.
‡*Mycosphaerella alyxiae* Petrak:					
Alyxia olivaeformis	Hawaii	1			Hawaii.
‡*Mycosphaerella anthurii* Miles:					
Anthurium sp	Mexico			1	Tex.
Mycosphaerella cattleyae Cash & Watson:					
Cattleya skinneri (orchid)	do			1	Tex.
Epidendrum radicans (orchid)	Costa Rica			1	Fla.
Epidendrum sp	Mexico			1	Tex.
Laelia anceps (orchid)	do			2	Tex.
Orchid	Mexico, Salvador			3	Tex.
Sobralia sp. (orchid)	Mexico			2	Tex.
Mycosphaerella clintoniana House:					
Rhododendron sp	Netherlands			1	N. J.
Mycosphaerella coffeicola (Cke.) Stevenson & Wellman:					
Coffea sp. (coffee)	Mexico	1			Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Mycosphaerella fragariae (Tul.) Lindau:					
Fragaria sp. (strawberry)	Germany			1	Pa.
Mycosphaerella hondai Miyake:					
Oryza sativa (rice)	Japan	1			Calif.*
Mycosphaerella palmae Miles:					
Chamaedorea sp. (palm)	Mexico	1			Tex.
Mycosphaerella schoenoprasi (Rab.) Schroet.:					
Allium fistulosum (Welsh onion)	Japan		17		Pa.
Myriangium duriae Mont. & Berk.:					
Citrus sinensis (orange)	Mexico	1			Tex.
Myrothecium roridum Fr.:					
Ferocactus sp. (barrel cactus)	do			1	Ariz.
Omphalia flavida (Cke.) Maubl. & Rangel:					
Gardenia augusta (gardenia)	do			1	Tex.
Gardenia sp	Japan, Mexico	1		1	Calif.*
Oospora pustulans Owen & Wakef.:					
Solanum tuberosum (potato)	England		1		N. Y.
†*Ophiodothella orchidearum* Cash & Watson:					
Epidendrum sp. (orchid)	Cuba			1	Fla.
Ophiostoma narcissi Limber:					
Narcissus sp	Ireland			1	Calif.*
Papulaspora parasitica (Eidam) Harz.:					
Gladiolus sp	Japan			1	Calif.*
Lilium auratum (goldband lily)	do			1	Calif.*
Paranthostomella micropora Cash & Watson:					
Laelia anceps (orchid)	Mexico			1	Tex.
Pestalotia conspicua Servazzi:					
Dendrobium johnsoniae (orchid)	Australia			1	Hawaii.
Dendrobium sp	†Indonesia			1	Hawaii.
Epidendrum schumannianum (orchid)	Canal Zone			1	Hawaii.
Laelia anceps (orchid)	Mexico			1	Tex.
Laelia sp	do			1	Tex.
Odontoglossum sp. (orchid)	Brazil			1	Wash.
Stanhopea tigrina (orchid)	Mexico			1	Tex.
Stanhopea sp	do			1	Tex.
†*Pestalotia psidii* Pat.:					
Psidium guajava (guava)	do	5			Ariz., Tex.
Phlcospora pistaciae Petr.:					
Pistacia sp. (pistache)	Lebanon	2			Mass., N. Y.
Phoma acicola (Lev.) Sacc.:					
Pinus sp. (2-leaved pine)	Yugoslavia	1			Mass.
Phoma citricarpa McAlp.:					
Citrus grandis	Union of South Africa		1		Mass.
Citrus limon (lemon)	Australia, †Portugal, unknown.	1	2		Hawaii, N. Y., Tex.
Citrus paradisi (grapefruit)	†British East Africa, †Egypt, †Pakistan, Union of South Africa.	1	5		Hawaii, Mass., N. Y., Pa.
Citrus reticulata (Mandarin orange)	China, Formosa, †Indo-China, Japan, Philippines, Union of South Africa.	44	7		Calif.*, Hawaii, Mass., Pa., Wash.
Citrus sinensis (orange)	Australia, Brazil, China, Fiji Islands, Japan, Philippines, Union of South Africa.	33	23		Calif.*, Hawaii, Md., Mass., N. Y., Pa., Tex.
Citrus sp	China, Hawaii, Philippines, unknown.	11			Hawaii, Ill., Mass., Oreg.
Phoma limonii Thuem. (?):					
Citrus aurantifolia (sweet lime)	Mexico	1			Tex.
Phomopsis capsici (Magn.) Sacc.:					
Capsicum frutescens (pepper)	Puerto Rico	1			P. R.
†*Phomopsis occulta* Trav. var. *ginkgoina* Grove:					
Ginkgo biloba (ginko)	Japan			1	Calif.*
Phomopsis orchidophila Cash & Watson:					
Coelogyne barbata (orchid)	India			1	Calif.*
Epidendrum sp. (orchid)	Canal Zone			1	Hawaii.
Orchid	†Trinidad	1			P. R.
Phomopsis palmicola (Wint.) Sacc.:					
Trachycarpus fortunei (palm)	†Japan		1		Pa.

See footnotes at end of table

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
‡*Phomopsis semiimmersa* (Sacc.) Trav.: *Crataegus oxyacantha* Pauls Scarlet	Netherlands			1	N. J.
‡*Phomopsis sidae* Trav. (?): *Sida retusa*	India			1	N. J.
Phragmidium disciflorum (Tode) James: *Rosa* sp	Italy			2	Mass.
†*Phyllachora engleri* Speg.: *Anthurium* sp	Colombia			1	Fla.
†*Phyllachora graminis* (Fr.) Fckl.: Grass—unidentified	Portugal		1		Mass.
†*Phyllachora maydis* Maubl.: *Zea mays* (corn)	Mexico	1			Calif.*
†*Phyllosticta laeliae* Keissl.: Orchid	British Guiana			1	Fla.
Phyllosticta nerii West.: *Nerium oleander* (oleander)	Bermuda			1	N. Y.
Phyllosticta ruscicola Dur. & Mont.: *Ruscus* sp	Italy	3			Pa.
Phyllostictina mangiferae Batista & Vital: *Mangifera indica* (mango)	Mexico	2			Ariz., Tex.
Phyllostictina pyriformis Cash & Watson: *Dendrobium musciferum* (orchid)	Australia			1	Hawaii.
Dendrobium phalaenopsis	do			1	Calif.*
Denbrobium schuetzei	Philippines			1	Hawaii.
Dendrobium sp	Australia, Hawaii			2	Hawaii.
Epidendrum fragrans (orchid)	Jamaica			1	Hawaii.
Epidendrum sp	Mexico			2	Tex.
Jacquiniella sp. (orchid)	Canal Zone			1	Hawaii.
Laelia anceps (orchid)	Mexico			1	Tex.
Orchid	Canal Zone, †Honduras, Mexico.			3	P. R., Tex.
Vanda sp. (orchid)	†Straits Settlements			1	Hawaii.
Physalospora wildemanniana Sacc.: *Epidendrum* sp. (orchid)	Mexico			1	Tex.
Physopella fici (Cast.) Arth.: *Ficus carica* (fig)	do			1	Tex.
†*Phytophthora citrophthora* (R. E. & E. H. Sm.) Leonian: *Citrus grandis* (pummelo)	Cuba	1			N. Y.
†*Phytophthora palmivora* Butl.: *Theobroma cacao* (cacao bean)	St. Lucia		1		P. R.
‡*Pratylenchus brachyurus* (Godfrey) Goodey: *Begonia* sp	Brazil			1	N. Y.
Pratylenchus penetrans (Cobb) Sher & Allen: *Clematis* sp	†Netherlands			1	N. J.
Lilium sp. (lily)	New Zealand			1	Calif.*
Pratylenchus pratensis (de Man) Filip.: *Clematis* sp	Netherlands			1	N. J.
†*Pratylenchus vulnus* Allen & Jensen: *Schlumbergera truncata* (Christmas cactus)	Germany			1	N. Y.
Pseudomonas marginalis (N. A. Brown) F. L. Stevens: *Cichorium endivia* (endive)	Belgium	1			N. Y.
Pseudomonas savastanoi (E. F. Sm.) F. L. Stevens: *Olea europaea* (olive)	Italy	1			Mass.
Puccinia absinthii DC.: *Artemisia albula* (silverking wormwood)	Bermuda	1			Mass.
Artemisia spp.	do	1			N. Y.
†*Puccinia asparagi* DC.: *Asparagus officinalis* (asparagus)	Greece	1			Mass.
Puccinia buxi DC.: *Buxus sempervirens* (box)	England, †Italy		2	1	Mass., N. Y.
Buxus sp.	England		1		Mass.
Puccinia chrysanthemi Roze: *Chrysanthemum* sp	Japan		1		Hawaii.
‡*Puccinia erythraeensis* Paz.: *Hyparrhenia hirtonii*	Kenya			1	D. C.
‡*Puccinia exasperans* Holw.: *Bouteloua curtipendula*	Mexico	1			Ariz.
†*Puccinia heliconiae* (Diet.) Arth.: *Heliconia aureostriata*	Puerto Rico			1	P. R.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Puccinia horiana P. Henn.:					
Chrysanthemum sp	Japan	6	5	----	Hawaii, Wash.
‡*Puccinia miscanthi Miura:*					
Miscanthus sp	Japan	2	----	----	Hawaii.
Puccinia ornithogali-thyrsoides Diet.:					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	3	----	----	N. Y.
Puccinia phyllostachydis Kus.:					
Bamboo	Japan	----	----	1	D. C.
†*Puccinia polysora* Underw.:					
Zea mays (corn)	Nigeria	----	1	----	Tex.
Puccinia scirpi DC.:					
Scirpus maritimus	Portugal	7	----	----	Pa.
Scirpus sp	do	5	----	----	Pa.
†*Puccinia urbaniana* P. Henn.:					
Stachytarpheta jamaicensis	Martinique	----	----	1	P. R.
†*Puccinia violae* (Schum.) DC.:					
Viola sp. (violet)	England	----	----	1	N. J.
‡*Rotylenchus brachyurus* Steiner:					
Cactus	Italy	----	----	1	N. Y.
†*Rotylenchus bradys* (Steiner & Le Hew.) Filip.:					
Dioscorea sp. (yam)	Trinidad	1	----	----	N. Y.
Sclerotiopsis testudinea Dearn.:					
Paeonia suffruticosa (tree peony)	Japan	----	----	43	Calif.*
Sclerotium cepivorum Berk.:					
Allium sativum (garlic)	Italy	2	----	----	La.
†*Selenophoma donacis* (Pass.) Sprague & A. G. Johnson var. *stomaticola* (Baeumler) Sprague & A. G. Johnson:					
Oryzopsis sp	Iran	----	----	1	D. C.
Septobasidium pseudopedicellatum Burt:					
Citrus sinensis (orange)	Brazil	----	2	----	Pa.
Septonema intercalare Cash & Watson:					
Cymbidium sp. (orchid)	†Australia	----	----	1	Calif.*
Orchid	Mexico	----	----	1	Ariz.
†*Septoria apii* (Briosi & Cav.) Chester:					
Apium graveolens (celery)	Venezuela	----	1	----	St. Thomas and St. John.
Septoria citri Pass.:					
Citrus limon (lemon)	Argentina, Italy, unknown	----	7	----	Calif.*, Tex.
Citrus medica (citron)	†Israel	----	1	----	Tex.
Citrus paradisi (grapefruit)	†Paraguay	----	1	----	Calif.*
Citrus sinensis (orange)	Algeria, Italy, Spain, unknown	----	4	----	Calif.*, Hawaii, Pa., Tex.
†*Septoria petroselini* Desm.:					
Petroselinum crispum (parsley)	Ireland	----	1	----	Mass.
‡*Septoria sapotae* Batista:					
Sapote	Dominican Republic	----	1	----	P. R.
Septoria selenophomoides Cash & Watson:					
Cattleya citrina (orchid)	Mexico	----	----	1	Tex.
Cymbidium devonianum (orchid)	India	----	----	1	Calif.*
Cypripedium sp. (orchid)	do	----	----	1	N. J.
Masdevallia chimaera (orchid)	England	----	----	1	N. J.
Odontoglossum sp. (orchid)	Mexico	----	----	1	Tex.
Oncidium varicosum rogersi (orchid)	Brazil	----	----	1	N. J.
Orchid	Mexico	----	----	4	Calif.*, Tex.
Septoria unedonis Rob. & Desm.:					
Arbutus unedo (strawberry-tree)	Greece, †Ireland	1	----	1	Mass., Pa.
Sphaceloma fawcetti Bitanc. & Jenkins var. *scabiosa* (McAlp. & Tyron) Jenkins:					
Citrus limon (lemon)	Australia	----	3	----	Hawaii, Mass.
Sphaceloma punicae Bitanc. & Jenkins:					
Punica granatum (pomegranate)	Mexico	5	----	----	Ariz., Tex.
‡*Sphaerella ceres* Sacc.:					
Sorghum vulgare caffrorum (kafir)	Union of South Africa	----	----	1	D. C.
Stagonospora macrospora (Dur. & Mont.) Sacc.:					
Yucca sp	Mexico	----	----	1	Ariz.
‡*Strickeria mammoidea* Ell. & Ev. var. *opuntiae* Dearn.:					
Pachycereus marginatus (organpipe cactus)	do	----	----	1	Ariz.
Thielaviopsis basicola (Berk. & Br.) Ferr.:					
Phaseolus vulgaris var. (string bean)	China	----	1	----	Calif.*

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Tilletia caries (DC.) Tul.:					
Triticum aestivum (wheat)	Turkey	1			D. C.
Tilletia controversa Kuehn:					
Heteranthelium piliferum	Iran			1	D. C.
†*Tilletia elymi* Diet. & Holw.:					
Elymus sp. (wild-rye)	do			1	D. C.
Trematosphaerella oryzae Miyake:					
Oryza sativa (rice)	Japan	1			Calif.*
Tylenchorhynchus latus Allen:					
Soil with lettuce	Egypt		1		Mass.
Uredo behniciana P. Henn.:					
Epidendrum prismatocarpum (orchid)	Costa Rica			1	Fla.
Odontoglossum sp. (orchid)	Brazil			1	Wash.
Phajus sp. (orchid)	†Jamaica			1	Fla.
Uredo epidendri P. Henn.:					
Epidendrum nocturnum (orchid)	do			1	Fla.
Epidendrum venosum	do			1	Fla.
Epidendrum sp.	Mexico			1	Tex.
Uredo guacae Mayor:					
Epidendrum sp.	†Jamaica			1	Fla.
Orchid	†Honduras			1	Fla.
Uredo guacae Mayor (?):					
Epidendrum sp.	Nicaragua			1	Fla.
Polystachya sp. (orchid)	Mexico			1	Fla.
Zygopetalum burti (orchid)	Canal Zone			1	Fla.
‡*Uredo nidularii* P. Henn. (?):					
Tillandsia sp.	Mexico			1	Tex.
Uredo nigropuncta P. Henn. (?):					
Epidendrum sp.	Jamaica			1	Fla.
Uredo oncidii P. Henn.:					
Oncidium bicallosum (orchid)	Guatemala			1	Fla.
Oncidium cavendishianum	do			1	Fla.
Oncidium pulchellum	†Jamaica			1	Fla.
Oncidium splendidum	Honduras	1			Fla.
Oncidium sp.	Costa Rica, Honduras			3	Fla.
Schomburgkia sp. (orchid)	Ecuador			1	Hawaii.
Uredo oncidii P. Henn. (?):					
Orchid	Cuba			1	Fla.
Urocystis gladiolicola Ains.:					
Gladiolus sp.	Netherlands			2	N. J.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis (maile)	Hawaii	8			Hawaii.
Uromyces betae (Pers.) Lev.:					
Beta vulgaris (beet)	Spain		1		Pa.
‡*Uromyces janiphae* (Wint.) Arth.:					
Manihot esculenta (cassava)	Colombia		1		Pa.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza bicolor (bushclover)	Japan			1	Calif.*
Lespedeza formosa (bushclover)	do			1	Calif.*
Lespedeza japonica (Japanese bushclover)	do			1	Calif.*
‡*Uromyces transversalis* (Thuem.) Wint.:					
Gladiolus sp.	Union of South Africa	1			N. Y.
Ustilago grandis Fr.:					
Phragmites communis (reed)	Netherlands			1	Pa.
†*Venturia inaequalis* (Cke.) Wint. var. *cinerascens* (Fckl.) Aderh.:					
Sorbus sp. (mountain-ash)	Austria	1			Mass.
Xanthomonas citri (Hasse) Dows.:					
Citrus aurantifolia (sour lime)	Ceylon, India, Japan, Thailand.		5		Calif.*, Md., Mass.
Citrus aurantium (sour orange)	Japan		14		Calif.*, Md., Pa., Tex., Wash.
Citrus aurantium var.	do		2		Calif.*
Citrus grandis	Japan, Thailand		5		Calif.*
Citrus x ichandarin	Japan		1		Calif.*
Citrus ichangensis var.	do		1		Calif.*
Citrus limon (lemon)	China, Japan	1	13		Calif.*, Md., N. Y., Pa.

See footnotes at end of table.

Pests collected and reported from July 1, 1955, through June 30, 1956—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Citrus paradisi (grapefruit)	Japan, Straits Settlements	----	4	----	Calif.*, Pa.
Citrus reticulata (Mandarin orange)	China, Japan, Philippines	5	9	----	Calif.*, Hawaii, Wash.
Citrus sinensis (orange)	China, Japan	32	38	----	Calif.*, Hawaii, Md., N. Y., Pa.
Citrus sinensis junos	Japan	----	2	----	Md., Pa.
Xanthomonas citri (Hasse) Dows. (?):					
Citrus aurantifolia (sour lime)	do	----	1	----	Wash.
Citrus limon (lemon)	do	----	1	----	Wash.
Citrus reticulata (Mandarin orange)	do	1	----	----	Hawaii.
Citrus sinensis (orange)	do	1	----	----	Hawaii.
Citrus sp.	China	1	----	----	N. Y.
Xanthomonas phaseoli (F. M. Sm.) Dows. (?):					
Phaseolus vulgaris var. (string bean)	Japan	----	1	----	Calif.*
Xanthomonas sp. (Cancrosis B):					
Citrus limon (lemon)	Brazil	----	2	----	Pa.
Citrus paradisi (grapefruit)	Brazil (?)	----	1	----	Pa.
Zygosporium oscheoides Mont.:					
Palm	Mexico	2	----	----	Tex.
Zygosporium oscheoides Mont. (?):					
Citrus sp.	do	----	1	----	Tex.

An asterisk (*) indicates State inspection.
A dagger (†) indicates a first interception from the country named.
A double dagger (‡) indicates first record of its interception by Branch inspectors.

Hosts and Diseases

ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasi (Ascomycetes)
ALLIUM SATIVUM:
Sclerotium cepivorum (Deuteromycetes)
ALOCASIA:
Meloidogyne arenaria (Nematoda)
Meloidogyne incognita acrita (Nematoda)
ALSTONIA:
Meloidogyne arenaria (Nematoda)
ALYXIA:
‡*Mycosphaerella alyxiae* (Ascomycetes)
Uromyces alyxiae (Promycetes)
AMORPHOPHALUS:
Meloidogyne hapla (Nematoda)
ANANAS:
Curvularia lunata (Deuteromycetes)
ANTHURIUM:
‡*Mycosphaerella anthurii* (Ascomycetes)
†*Phyllachora engleri* (Ascomycetes)
APIUM:
†*Septoria apii* (Deuteromycetes)
ARAUCARIA:
†*Macrophoma araucariae* (Deuteromycetes)
ARBUTUS:
Septoria unedonis (Deuteromycetes)
ARECA:
Colletotrichum arecae (Deuteromycetes)
ARTEMISIA:
Puccinia absinthii (Promycetes)
ASPARAGUS:
Meloidogyne javanica (Nematoda)
†*Puccinia asparagi* (Promycetes)
ASTROPHYTUM:
Meloidogyne incognita (Nematoda)
BAMBOO:
Puccinia phyllostachydis (Promycetes)
BEGONIA:
Meloidogyne hapla (Nematoda)
Meloidogyne incognita (Nematoda)
Meloidogyne incognita acrita (Nematoda)
‡*Pratylenchus brachyurus* (Nematoda)
BETA:
†*Meloidogyne hapla* (?) (Nematoda)
Meloidogyne incognita acrita (Nematoda)
Uromyces betae (Promycetes)
BETULA:
†*Melampsoridium betulinum* (Promycetes)
BOUTELOUA:
‡*Puccinia exasperans* (Promycetes)
BUXUS:
Puccinia buxi (Promycetes)
CACTUS:
‡*Helicotylenchus nannus* (Nematoda)
‡*Lembosia cactorum* (?) (Ascomycetes)
Meloidogyne arenaria (Nematoda)
‡*Rotylenchus brachyurus* (Nematoda)
CALADIUM:
Meloidogyne arenaria (Nematoda)
CAPSICUM:
Phomopsis capsici (Deuteromycetes)
CARICA:
Asperisporium caricae (Deuteromycetes)
CATTLEYA:
Mycosphaerella cattleyae (Ascomycetes)
Septoria selenophomoides (Deuteromycetes)
CELOSIA:
Meloidogyne incognita (Nematoda)
CHAMAEDOREA:
Mycosphaerella palmae (Ascomycetes)
CHRYSANTHEMUM:
Eudarluca australis (Ascomycetes)
Puccinia chrysanthemi (Promycetes)
Puccinia horiana (Promycetes)
CICHORIUM:
Pseudomonas marginalis (Schizomycetes)
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Elsinoe fawcetti (Ascomycetes)
†*Gloeosporium limetticolum* (Deuteromycetes)
Phoma limonii (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CIRTUS AURANTIUM:
Xanthomonas citri (Schizomycetes)
CITRUS AURANTIUM VAR.:
Xanthomonas citri (Schizomycetes)
CITRUS GRANDIS:
Phoma citricarpa (Deuteromycetes)
†*Phytophthora citrophthora* (Phycomycetes)
Xanthomonas citri (Schizomycetes)
CITRUS X ICHANDARIN:
Xanthomonas citri (Schizomycetes)
CITRUS ICHANGENSIS VAR.:
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
Elsinoe australis (Ascomycetes)
Leprosis
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcetti var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancrosis B) (Schizomycetes)
CITRUS MEDICA:
Septoria citri (Deuteromycetes)
CITRUS PARADISI:
†*Diaporthe citri* (Ascomycetes)
Elsinoe australis (Ascomycetes)
Leprosis
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancrosis B) (Schizomycetes)
CITRUS RETICULATA:
Elsinoe australis (Ascomycetes)
Leprosis
Phoma citricarpa (Deuteromycetes
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Leprosis
Myriangium duriaei (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septobasidium pseudopedicellatum (Basidiomycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS JUNOS:
Xanthomonas citri (Schizomycetes)
CITRUS SP.
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (?) (Schizomycetes)
Zygosporium oschioides (?) (Deuteromycetes)
CLEMATIS:
Pratylenchus penetrans (Nematoda)
Pratylenchus pratensis (Nematoda)
CLIVIA:
‡*Colletotrichum cliviae* (Deuteromycetes)
COELOGYNE:
Phomopsis orchidophila (Deuteromycetes)
COFFEA:
Cercospora coffeicola (Deuteromycetes)
‡*Hendersonia coffeae* (Deuteromycetes)
Mycosphaerella coffeicola (Ascomycetes)
COLOCASIA:
Dendryphium obstipum (Deuteromycetes)
Meloidogyne javanica (Nematoda)
CRATAEGUS:
Gymnosporangium clavipes (Promycetes)
‡*Phomopsis semiimmersa* (Deuteromycetes)
CUCUMIS:
‡*Cercospora citrullina* (Deuteromycetes)
Curvularia lunata (Deuteromycetes)
CYMBIDIUM:
Septonema intercalare (Deuteromycetes)
Septoria selenophomoides (Deuteromycetes)
CYPRIPEDIUM:
Septoria selenophomoides (Deuteromycetes)
DAPHNE:
‡Daphne mosaic virus
DAUCUS:
Meloidogyne incognita (Nematoda)
Meloidogyne incognita acrita (Nematoda)
DENDROBIUM:
Pestalotia conspicua (Deuteromycetes)
Phyllosticting pyriformis (Deuteromycetes)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
DIEFFENBACHIA:
Colletotrichum dieffenbachiae (Deuteromycetes)

Hosts and Diseases—Continued

DIOSCOREA:
†*Rotylenchus brady*s (Nematoda)
DRACAENA:
†*Colletotrichum dracaena* (Deuteromycetes)
ECHINOCACTUS:
Meloidogyne javanica (Nematoda)
ELYMUS:
†*Tilletia elymi* (Promycetes)
EPIDENDRUM:
Anthostomella keissleri (Ascomycetes)
Hendersonia epidendri (Deuteromycetes)
Mycosphaerella cattleyae (Ascomycetes)
†*Ophiodothella orchidearum* (Ascomycetes)
Pestalotia conspicua (Deuteromycetes)
Phomopsis orchidophila (Deuteromycetes)
Phyllostictina pyriformis (Deuteromycetes)
Physalospora wildemanniana (Ascomycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (Promycetes)
Uredo guacae (Promycetes)
Uredo nigropuncta (?) (Promycetes)
EURYCLES:
Curvularia lunata (Deuteromycetes)
FAGUS:
†*Asterosporium hoffmanni* (Deuteromycetes)
FICUS:
Gloeosporium elasticum (Deuteromycetes)
Physopella fici (Promycetes)
FRAGARIA:
‡*Marssonina fragariae* (Deuteromycetes)
Mycosphaerella fragariae (Ascomycetes)
GARDENIA:
Omphalia flavida (Deuteromycetes)
GINKGO:
†*Phomopsis occulta* var. *ginkgoina* (Deuteromycetes)
GLADIOLUS:
Papulaspora parasitica (Deuteromycetes)
Urocystis gladiolicola (Promycetes)
‡*Uromyces transversalis* (Promycetes)
GOSSYPIUM:
Cercospora gossypina (Deuteromycetes)
HEDERA:
Colletotrichum trichellum (Deuteromycetes)
HELICONIA:
†*Puccinia heliconiae* (Promycetes)
HETERANTHELIUM:
Tilletia controversa (Promycetes)
HYPARRHENIA:
‡*Puccinia erythraeensis* (Promycetes)
JACQUINIELLA:
Phyllostictina pyriformis (Deuteromycetes)
JUNIPERUS:
Gymnosporangium haraeanum (Promycetes)
KOHLERIA:
Meloidogyne hapla (Nematoda)
LABURNUM:
Coniothyrium cytisellum (Deuteromycetes)
LAELIA:
Mycosphaerella cattleyae (Ascomycetes)
Paranthostomella microspora (Ascomycetes)
Pestalotia conspicua (Deuteromycetes)
Phyllostictina pyriformis (Deuteromycetes)
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LILIUM:
Papulaspora parasitica (Deuteromycetes)
Pratylenchus penetrans (Nematoda)
LOISELEURIA:
Chrysomyxa ledi var. *rhododendri* (Promycetes)
MAHONIA:
Cumminsiella sanguinea (Promycetes)
MALUS:
Coniothyrium pirinum (Deuteromycetes)
Cylindrocarpon mali (Deuteromycetes)
MAMMILLARIA:
Meloidogyne arenaria (Nematoda)
Meloidogyne incognita acrita (Nematoda)
Meloidogyne javanica (Nematoda)
MANGIFERA:
Elsinoe mangiferae (Ascomycetes)
†*Gloeosporium mangiferae* (Deuteromycetes)
Phyllostictina mangiferae (Deuteromycetes)
MANIHOT:
‡*Uromyces janiphae* (Promycetes)
MASDEVALLIA:
Septoria selenophomoides (Deuteromycetes)
METROSIDEROS:
‡*Meliolina haplochaeta* (Ascomycetes)
MISCANTHUS:
‡*Puccinia miscanthi* (Promycetes)
MUSA:
Cercospora musae (Deuteromycetes)
Macrophoma musae (Deuteromycetes)
NARCISSUS:
Ophiostoma narcissi (Ascomycetes)
NERIUM:
Cercospora neriella (Deuteromycetes)
Phyllosticta nerii (Deuteromycetes)
NICOTIANA:
‡*Fusarium oxysporum* f. *nicotianae* (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
ODONTOGLOSSUM:
Pestalotia conspicua (Deuteromycetes)
Septoria selenophomoides (Deuteromycetes)
Uredo behnickiana (Promycetes)
OLEA:
Gloeosporium olivarum (Deuteromycetes)
Pseudomonas savastanoi (Schizomycetes)
ONCIDIUM:
†*Hendersonia importata* (Deuteromycetes)
Septoria selenophomoides (Deuteromycetes)
Uredo oncidii (Promycetes)
ORCHID:
Anthostomella keissleri (Ascomycetes)
†*Cercospora cypripedii* (Deuteromycetes)
Hendersonia epidendri (Deuteromycetes)
‡*Leptosphaeria niessleana* (?) (Ascomycetes)
Mycosphaerella cattleyae (Ascomycetes)
Phomopsis orchidophila (Deuteromycetes)
†*Phyllosticta laeliae* (Deuteromycetes)
Phyllostictina pyriformis (Deuteromycetes)
Septonema intercalare (Deuteromycetes)
Septoria selenophomoides (Deuteromycetes)
Uredo guacae (Promycetes)
Uredo oncidii (?) (Promycetes)
OREOCEREUS:
‡*Helicotylenchus nannus* (Nematoda)
Meloidogyne arenaria (Nematoda)
Meloidogyne incognita acrita (Nematoda)
ORNITHOGALUM:
Meloidogyne incognita acrita (Nematoda)
Puccinia ornithogali-thyrsoides (Promycetes)
ORYZA:
Cladosporium oryzae (Deuteromycetes)
Entyloma oryzae (Promycetes)
Mycosphaerella hondai (Ascomycetes)
Trematosphaerella oryzae (Ascomycetes)
ORYZOPSIS:
†*Selenophoma donacis* var. *stomaticola* (Deuteromycetes)
PACHYCEREUS:
‡*Didymosphaeria opulenta* (Ascomycetes)
‡*Strickeria mammoidea* var. *opuntiae* (Ascomycetes)
PAEONIA:
Discosia artocreas (Deuteromycetes)
Sclerotiopsis testudinea (Deuteromycetes)
PALM:
Zygosporium oscheoides (Deuteromycetes)
PANICUM:
Cerebella andropogonis (Ascomycetes)
PASPALUM:
Cerebella andropogonis (Ascomycetes)
PEROCACTUS:
Myrothecium roridum (Deuteromycetes)
PERSEA:
Botryosphaeria ribis (Ascomycetes)
Cercospora purpurea (Deuteromycetes)
PETROSELINUM:
†*Septoria petroselini* (Deuteromycetes)
PHAJUS:
Uredo behnickiana (Promycetes)
PHASEOLUS:
†*Cercospora canescens* (Deuteromycetes)
Thielaviopsis basicola (Deuteromycetes)
Xanthomonas phaseoli (?) Schizomycetes)
PHILODENDRON:
Meloidogyne arenaria (Nematoda)

Hosts and Diseases—Continued

PHRAGMITES:
Ustilago grandis (Promycetes)
PINUS:
Lophodermium pinastri (Ascomycetes)
‡*Phoma acicola* (Deuteromycetes)
PISTACIA:
Phleospora pistaciae (Deuteromycetes)
PISUM:
†*Erysiphe polygoni* (Ascomycetes)
POLIANTHES:
Meloidogyne incognita (Nematoda)
Meloidogyne incognita acrita (Nematoda)
Meloidogyne javanica (Nematoda)
POLYSTACHYA:
Uredo guacae (Promycetes)
PORTULACA:
‡*Helicotylenchus nannus* (Nematoda)
PRIMULA:
†*Cercospora primulae* (Deuteromycetes)
PRUNUS DOMESTICA:
Monilinia fructigena (Ascomycetes)
PRUNUS SP. (cherry)
Monilinia fructigena (Ascomycetes)
PSIDIUM:
†*Pestalotia psidii* (Deuteromycetes)
PUNICA:
Sphaceloma punicae (Deuteromycetes)
PYRUS:
†*Fusicladium pirinum* (Deuteromycetes)
RHODODENDRON:
Chrysomyxa ledi var. *rhododendri* (Promycetes)
Diplodina eurhododendri (Deuteromycetes)
Meloidogyne incognita (Nematoda)
Mycosphaerella clintoniana (Ascomycetes)
ROSA:
†*Marssonina rosae* (Deuteromycetes)
Phragmidium disciflorum (Promycetes)
RUSCUS:
Leptosphaeria rusci (Ascomycetes)
Phyllosticta ruscicola (Deuteromycetes)
SAPOTE:
‡*Septoria sapotae* (Deuteromycetes)
SCHLUMBERGERA:
†*Pratylenchus vulnus* (Nematoda)
SCHOMBURGKIA:
Uredo oncidii (Promycetes)
SCIRPUS:
Puccinia scirpi (Promycetes)
SIDA:
‡*Phomopsis sidae* (?) (Deuteromycetes)
SOBRALIA:
Mycosphaerella cattleyae (Ascomycetes)
SOIL:
‡*Helicotylenchus nannus* (Nematoda)
Heterodera avenae (Nematoda)
Heterodera cacti (Nematoda)
‡*Heterodera cruciferae* (?) (Nematoda)
‡*Heterodera fici* (Nematoda)
Heterodera humuli (Nematoda)
Heterodera punctata (Nematoda)
Heterodera rostochiensis (Nematoda)
Meloidogyne incognita acrita (Nematoda)
Tylenchorhynchus latus (?) (Nematoda)
SOLANACEAE:
Meloidogyne incognita acrita (Nematoda)
SOLANUM:
Meloidogyne incognita acrita (Nematoda)
Oospora pustulans (Deuteromycetes)
SORBUS:
Gymnosporangium juniperi (?) (Promycetes)
†*Venturia inaequalis* var. *cinerascens* (Ascomycetes)
SORGHUM:
‡*Sphaerella ceres* (Ascomycetes)
STACHYTARPHETA:
†*Puccinia urbaniana* (Promycetes)
STANHOPEA:
Cercospora angraeci (Deuteromycetes)
†*Cercospora cypripedii* (Deuteromycetes)
†*Guignardia traversi* (Ascomycetes)
Pestalotia conspicua (Deuteromycetes)
THEOBROMA:
†*Phytophthora palmivora* (Phycomycetes)
TILLANDSIA:
‡*Uredo nidulariii* (?) (Promycetes)
TRACHYCARPUS:
Phomopsis palmicola (Deuteromycetes)
TRITICUM:
†*Colletotrichum graminicola* (Deuteromycetes)
Tilletia caries (Promycetes)
VANDA:
Phyllostictina pyriformis (Deuteromycetes)
VIOLA:
†*Puccinia violae* (Promycetes)
WASHINGTONIA:
Meloidogyne incognita acrita (Nematoda)
WISTERIA:
Diaporthe eres (Ascomycetes)
YUCCA:
‡*Diplodia circinans* (Deuteromycetes)
‡*Hendersonia yuccae* (Deuteromycetes)
Stagonospora macrospora (Deuteromycetes)
ZANTEDESCHIA:
Meloidogyne javanica (Nematoda)
ZEA:
†*Phyllachora maydis* (Ascomycetes)
†*Puccinia polysora* (Promycetes)
ZINGIBER:
†*Colletotrichum zingiberis* (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
ZYGOPETALUM:
Uredo guacae (?) (Promycetes)

Hosts Unknown

GRASS:
Phyllachora graminis (Ascomycetes)

Countries of Origin and Diseases

ALGERIA:
Heterodera cacti
Septoria citri
ARGENTINA:
Elsinoe australis
Heterodera cacti
Heterodera fici
Heterodera rostochiensis
Septoria citri
AUSTRALIA:
Cerebella andropogonis
†*Fusicladium pirinum*
†*Meloidogyne arenaria*
Pestalotia conspicua
Phoma citricarpa
Phyllostictina pyriformis
†*Septonema intercalare*
Sphaceloma fawcetti var. *scabiosa*
AUSTRIA:
†*Asterosporium hoffmanni*
†*Heterodera avenae*
Heterodera punctata
†*Venturia inaequalis* var. *cinerascens*
BELGIUM:
‡*Colletotrichum cliviae*
Heterodera avenae
Pseudomonas marginalis
BERMUDA:
Cercospora neriella
‡*Helicotylenchus nannus*
Phyllosticta neriis
Puccinia absinthii
BRAZIL:
Cercospora coffeicola
†*Colletotrichum graminicola*
Elsinoe australis
†*Heterodera avenae*
†*Meloidogyne hapla*
†*Meloidogyne incognita acrita*
Pestalotia conspicua
Phoma citricarpa
‡*Pratylenchus brachyurus*
Septobasidium pseudopedicellatum
Septoria selenophomoides
Uredo behnickiana
Xanthomonas sp. (Cancrosis B)
BRITISH EAST AFRICA:
†*Phoma citricarpa*
BRITISH GUIANA:
†*Phyllosticta laeliae*
CANADA:
‡*Cercospora primulae*
‡*Helicotylenchus nannus*
Heterodera cacti
†*Melampsoridium betulinum*
†*Meloidogyne arenaria*
†*Meloidogyne incognita*
†*Meloidogyne incognita acrita*
†*Meloidogyne javanica*
CANAL ZONE:
†*Guignardia traversi*
Pestalotia conspicua
Phomopsis orchidophila
Phyllostictina pyriformis
Uredo guacae (?)
CEYLON:
Xanthomonas citri
CHILE:
†*Meloidogyne incognita acrita*
CHINA:
†*Colletotrichum zingiberis*
Dendryphium obstipum
Melanospora zamiae
†*Meloidogyne incognita acrita*
Phoma citricarpa
Thielaviopsis basicola
Xanthomonas citri
COLOMBIA:
†*Phyllachora engleri*
‡*Uromyces janiphae*
COSTA RICA:
Mycosphaerella cattleyae
Uredo behnickiana
Uredo oncidii
CUBA:
Anthostomella keissleri
Asperisporium caricae
†*Meloidogyne incognita acrita*
†*Ophiodothella orchidearum*
†*Phytophthora citrophthora*
Uredo oncidii (?)
DENMARK:
Heterodera avenae
DOMINICAN REPUBLIC:
‡*Fusarium oxysporum* f. *nicotianae*
Melanospora zamiae
‡*Septoria sapotae*
ECUADOR:
†*Diaporthe citri*
†*Gloeosporium limetticolum*
Uredo oncidii
EGYPT:
†*Meloidogyne incognita acrita*
†*Phoma citricarpa*
Tylenchorhynchus latus (?)
ENGLAND:
‡*Daphne mosaic virus*
Heterodera avenae
Heterodera cacti
Heterodera punctata
Heterodera rostochiensis
Oospora pustulans
Puccinia buxi
†*Puccinia violae*
Septoria selenophomoides
FIJI ISLANDS
Phoma citricarpa
FORMOSA:
Phoma citricarpa
FRANCE:
†*Fusicladium pirinum*
Meloidogyne javanica
Monilinia fructigena
GERMANY:
Collectotrichum trichellum
Heterodera avenae
Heterodera cacti
‡*Heterodera fici*
Heterodera punctata
Heterodera rostochiensis
‡*Marssonina fragariae*
Monilinia fructigena
Mycosphaerella fragariae
†*Pratylenchus vulnus*
GREECE:
Heterodera avenae
†*Meloidogyne javanica*
†*Puccinia asparagi*
Septoria unedonis
GUAM:
Colletotrichum arecae
GUATEMALA:
Hendersonia epidendri
†*Meloidogyne arenaria*
Uredo oncidii
HAWAII:
‡*Meliolina haplochaeta*
†*Meloidogyne arenaria*
‡*Mycosphaerella alyxiae*
Phoma citricarpa
Phyllostictina pyriformis
Uromyces alyxiae
HONDURAS:
†*Phyllostictina pyriformis*
†*Uredo guacae*
Uredo oncidii
ICELAND:
Heterodera punctata
INDIA:
Entyloma oryzae
Phomopsis orchidophila
‡*Phomopsis sidae* (?)
Septoria selenophomoides
Xanthomonas citri
INDO-CHINA:
†*Phoma citricarpa*
INDONESIA:
†*Pestalotia conspicua*
IRAN:
†*Selenophoma donacis* var. *stomaticola*
Tilletia controversa
†*Tilletia elymi*

Countries of Origin and Diseases — Continued

IRELAND:
Heterodera punctata
Heterodera rostochiensis
Ophiostoma narcissi
†*Septoria petroselini*
†*Septoria unedonis*
ISRAEL:
Alternaria dianthi
Heterodera avenae
†*Meloidogyne hapla* (?)
†*Septoria citri*
ITALY:
Gloeosporium olivarum
‡*Helicotylenchus nannus*
Heterodera avenae
Heterodera cacti
‡*Heterodera fici*
Heterodera punctata
Leptosphaeria rusci
Meloidogyne incognita
†*Meloidogyne incognita acrita*
†*Meloidogyne javanica*
Phragmidium disciflorum
Phyllosticta ruscicola
Pseudomonas savastanoi
†*Puccinia buxi*
‡*Rotylenchus brachyurus*
Sclerotium cepivorum
Septoria citri
Septoria dianthi
ITALY (?):
Alternaria citri
JAMAICA:
Phyllostictina pyriformis
†*Uredo behnickiana*
Uredo epidendri
†*Uredo guacae*
Uredo nigropuncta (?)
†*Uredo oncidii*
JAPAN:
Alternaria dianthi
Chrysomyxa ledi var. *rhododendri*
Cladosporium oryzae
Discosia artocreas
Eudarluca australis
Gymnosporangium haraeanum
Heterodera cacti
‡*Heterodera cruciferae*
Macrophoma musae
Meloidogyne javanica
Mycosphaerella hondai
Mycosphaerella schoenoprasi
Omphalia flavida
Papulaspora parasitica
Phoma citricarpa
†*Phomopsis occulta* var. *ginkgoina*
†*Phomopsis palmicola*
Puccinia chrysanthemi
Puccinia horiana
‡*Puccinia miscanthi*
Puccinia phyllostachydis
Sclerotiopsis testudinea
Trematosphaerella oryzae
Uromyces lespedezae-procumbentis
Xanthomonas citri
Xanthomonas phaseoli (?)
KENYA:
Cerebella andropogonis
‡*Puccinia erythraeensis*
LEBANON:
Phleospora pistaciae
MARTINIQUE:
†*Puccinia urbaniana*
MEXICO:
Anthostomella keissleri
Botryosphaeria ribis
Cercospora angraeci
Cercospora coffeicola
†*Cercospora cypripedii*
Cercospora gossypina
Cercospora musae
Cercospora purpurea
Colletotrichum dieffenbachiae
Coniothyrium pirinum
Curvularia lunata
‡*Didymosphaeria opulenta*
‡*Diplodia circinans*
Elsinoe mangiferae
Gloeosporium elasticum
‡*Helicotylenchus nannus*
‡*Hendersonia coffeae*
Hendersonia epidendri
†*Hendersonia importata*
‡*Hendersonia yuccae*
Heterodera cacti
Heterodera punctata
Heterodera rostochiensis
‡*Lembosia cactorum* (?)
Leprosis
‡*Leptosphaeria niesleana* (?)
Lophodermium pinastri (?)
Macrophoma musae
Marssonina rosae
Meloidogyne arenaria
Meloidogyne hapla
Meloidogyne incognita
†*Meloidogyne incognita acrita*
†*Meloidogyne javanica*
‡*Mycosphaerella anthurii*
Mycosphaerella cattleyae
Mycosphaerella coffeicola
Mycosphaerella palmae
Myriangium duriaei
Myrothecium roridum
Omphalia flavida
Paranthostomella microspora
Pestalotia conspicua
†*Pestalotia psidii*
Phoma limonii (?)
†*Phyllachora maydis*
Phyllostictina mangiferae
Phyllostictina pyriformis
Physalospora wildemanniana
Physopella fici
‡*Puccinia exasperans*
Septonema intercalare
Septoria selenophomoides
Sphaceloma punicae
Stagonospora macrospora
‡*Strickeria mammoidea* var. *opuntiae*
Uredo epidendri (?)
Uredo guacae (?)
‡*Uredo nidularii* (?)
Zygosporium oschioides (?)
NETHERLANDS:
Coniothyrium cytisellum
Cumminsiella sanguinea
Cylindrocarpon mali
Diaporthe eres
Diplodina eurhododendri
Gymnosporangium clavipes
Heterodera punctata
Meloidogyne hapla
Mycosphaerella clintoniana
‡*Phomopsis semiimmersa*
†*Pratylenchus penetrans*
Pratylenchus pratensis
Urocystis gladiolicola
Ustilago grandis
NEW ZEALAND:
†*Coniothyrium pirinum*
Cylindrocarpon mali
Pratylenchus penetrans
NICARAGUA:
Uredo guacae (?)
NIGERIA:
†*Puccinia polysora*
PAKISTAN:
†*Phoma citricarpa*
PARAGUAY:
†*Septoria citri*
PERU:
†*Erysiphe polygoni*
Heterodera rostochiensis
PHILIPPINES:
Curvularia lunata
Elsinoe fawcetti
†*Gloeosporium mangiferae*
Phoma citricarpa
Phyllostictina pyriformis
Xanthomonas citri

Countries of Origin and Diseases—Continued

PORTUGAL:
‡*Heterodera fici*
†*Phoma citricarpa*
†*Phyllachora graminis*
Puccinia scirpi
PUERTO RICO:
Cercospora musae
Phomopsis capsici
†*Puccinia heliconiae*
RHODESIA:
Cerebella andropogonis
ST. KITTS:
†*Cercospora canescens*
ST. LUCIA:
†*Phytophthora palmivora*
SALVADOR:
Mycosphaerella cattleyae
SCOTLAND:
Heterodera rostochiensis
Lophodermium pinastri
SPAIN:
Alternaria dianthi
Heterodera avenae
†*Macrophoma araucariae*
Septoria citri
Uromyces betae
STRAITS SETTLEMENTS:
†*Phyllostictina pyriformis*
Xanthomonas citri
SWEDEN:
Gymnosporangium juniperi (?)
Heterodera punctata
SWITZERLAND:
Chrysomyza ledi var. *rhododendri*
Heterodera humuli
Heterodera punctata
SYRIA:
†*Meloidogyne incognita acrita*
THAILAND:
Xanthomonas citri
TRINIDAD:
†*Colletotrichum dracaenae*
†*Meloidogyne incognita*
†*Phomopsis orchidophila*
†*Rotylenchus bradys*
TUNISIA:
Heterodera avenae
TURKEY:
Tilletia caries
UNION OF SOUTH AFRICA:
Meloidogyne incognita acrita
†*Meloidogyne javanica*
Phoma citricarpa
Puccinia ornithogali-thyrsoides
‡*Sphaerella ceres*
‡*Uromyces transversalis*
UNKNOWN:
Elsinoe australis
Heterodera rostochiensis
Phoma citricarpa
Septoria citri
VENEZUELA:
‡*Cercospora citrullina*
†*Septoria apii*
YUGOSLAVIA:
‡*Phoma acicola*

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